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July 7, 2014

Mr. Ervin Lane
Compliance Hydrogeologist
Division of Waste Management/Solid Waste Section
1646 Mail Service Center
Raleigh, NC 27699-1646

**RE: First Semiannual Water Quality Monitoring Reports of 2014
Wilkes County Landfills: Dan Johnson Landfill, Permit No. 97-02
JOYCE Project No. 356.1301.12, Task No. 05**

Dear Ervin:

On behalf of Wilkes County, Joyce Engineering is submitting the *First Semiannual Water Quality Monitoring Report of 2014* for the Wilkes County Dan Johnson Landfill, Permit No. 97-02. The attached report contains electronic versions of the complete report and all appendices for the April 2014 sampling event. Also attached is the North Carolina Environmental Monitoring Reporting Form for the April 2014 monitoring event.

If you wish to have a hard copy of the report, drawings, or appendices, we will be happy to provide it upon your request. Please feel free to contact me or Alex Everhart at (336) 323-0092 if you have any questions regarding this report.

Sincerely,
JOYCE ENGINEERING


Hannu Kemppinen P.G.
Senior Project Consultant

Enclosures

C: Kent Brandon - Wilkes County, Solid Waste Director (2 copies)

PREPARED FOR:

WILKES COUNTY DEPARTMENT OF SOLID WASTE
9219 ELKIN HIGHWAY
ROARING RIVER, NORTH CAROLINA 27298



**DAN JOHNSON LANDFILL
PERMIT No. 97-02**

**FIRST SEMIANNUAL WATER QUALITY MONITORING
REPORT OF 2014**

JUNE 2014

PREPARED BY:



2211 WEST MEADOWVIEW ROAD, SUITE 101
GREENSBORO, NORTH CAROLINA 27407
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PHONE: (336) 323-0092
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JOYCE PROJECT NO. 00356.1301.12

DENR USE ONLY: Paper Report Electronic Data - Email CD (data loaded: Yes / No)

Doc/Event #:

NC DENR**Division of Waste Management - Solid Waste**

Environmental Monitoring Reporting Form

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- Prepare one form for each individually monitored unit.
- Please type or print legibly.
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i)).
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

Joyce Engineering

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:Name: Hannu Kemppinen P.G. Phone: (336) 323-0092E-mail: hkemppin@joyceengineering.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Dan Johnson Landfill Wilkes County	Mailing Address: 9219 Elkin Highway Roaring River, NC 28669	97-02	.0500	April 28, 2014

Environmental Status: (Check all that apply)
 Initial/Background Monitoring Detection Monitoring Assessment Monitoring Corrective Action
Type of data submitted: (Check all that apply)

<input checked="" type="checkbox"/> Groundwater monitoring data from monitoring wells	<input type="checkbox"/> Methane gas monitoring data
<input checked="" type="checkbox"/> Groundwater monitoring data from private water supply wells	<input type="checkbox"/> Corrective action data (specify) _____
<input type="checkbox"/> Leachate monitoring data	<input type="checkbox"/> Other(specify) _____
<input checked="" type="checkbox"/> Surface water monitoring data	

Notification attached?

- No. No groundwater or surface water standards were exceeded.
- Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
- Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

Hannu Kemppinen P.G.

Senior Project Consultant

(336) 323-0092

Facility Representative Name (Print)

Title

(Area Code) Telephone Number

*Hannu Kemppinen**6-30-2014*

Affix NC Licensed/ Professional Geologist Seal

Signature

Date

2211 West Meadowview Rd. Suite 101, Greensboro, NC 27407

Facility Representative Address

C-0782

NC PE Firm License Number (if applicable effective May 1, 2009)

Revised 6/2009



First Semiannual Water Quality Monitoring Report of 2014
Dan Johnson Landfill
Wilkes County, North Carolina

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1.0 INTRODUCTION

1.1 Site Information

The Dan Johnson Landfill is a closed, unlined municipal solid waste (MSW) landfill maintained by Wilkes County. The landfill property is located near the town of Austin, North Carolina. The property boundary is indicated on an excerpt from the 7.5 minutes USGS topographic map for Thurmond, North Carolina (Figure No. 1.).

The area surrounding the landfill is primarily residential/ agricultural and contains open fields and woodlands. The landfill is bounded to the south and east by an unnamed tributary of Little Elkin Creek.

1.2 Site Geology

The Dan Johnson Landfill is located in the Blue Ridge Belt in the Alligator Back Formation. It consists of laminated to thin layered mica schist and phyllite interlayered with biotite, muscovite, gneiss and amphibolite.

1.3 Regulatory Status

Wilkes County is currently monitoring groundwater at the Dan Johnson Landfill in accordance with criteria set forth in Rule .0500 of the North Carolina Solid Waste Management Rules (NCSWMR) for municipal solid waste landfills (MSWLF) closed prior to October 9, 1993.

2.0 FACILITY MONITORING PROGRAM

2.1 Groundwater Monitoring Program

The current groundwater compliance monitoring network includes three monitoring wells, including one upgradient well and two downgradient wells. These wells are summarized below, along with their current monitoring program status.

Monitoring Well	Classification	Monitoring Program	Total Depth from TOC (ft)
MW-1	Background	Detection (.0500)	60.12
MW-2	Compliance	Detection (.0500)	40.08
MW-3	Compliance	Detection (.0500)	29.43

*TOC = Top of casing.

Groundwater samples are collected semiannually during the second and fourth quarters. Samples are analyzed for all constituents listed in the NCSWMR Appendix I during the first and second semiannual events.

2.2 Surface Water Monitoring Program

Surface water at the Dan Johnson Landfill is monitored semiannually in conjunction with the groundwater sampling events. Samples are collected from two surface water monitoring points (Upstream and Downstream).

Surface water samples are collected and analyzed for the NCSWMR Appendix I list of constituents during both semiannual monitoring events. The results are compared to the 15A NCAC 2B (NC 2B) Surface Water Standards in a value-to-value comparison. These surface water monitoring points are summarized below, along with their current monitoring program status.

Surface Point	Classification	Monitoring Program
<i>Upstream</i>	Up Stream/Compliance	Surface Water
<i>Downstream</i>	Compliance	Surface Water

3.0 FIRST SEMIANNUAL SAMPLING EVENT OF 2014

3.1 Field Work and Visual Inspection

In order to detect potential releases of leachate and/or landfill gas migration in a timely manner, a visual inspection program has been implemented at the Dan Johnson Landfill. This inspection program involves field personnel making the following observations:

- Observation of stress induced on the biological community (i.e., dead or dying vegetation),
- Indications of leachate impact (i.e., seeps, impacted surface water),
- Observations of erosion; and
- Negative changes around the waste facility.

On April 28, 2014, Joyce Engineering (JOYCE) personnel purged and sampled facility monitoring wells MW-1, MW-2, and MW-3. Prior to purging, the depth to static water level was measured for all monitoring wells with an electronic water level indicator, accurate to 0.01 foot.

Monitoring wells were purged and sampled using either disposable bailers or a 12 volt plastic pump. Measurements of temperature, pH, specific conductivity, and turbidity were recorded in the site specific log book prior to purging, after each purge volume, and during sampling. Prior to sampling, laboratory-supplied containers were prepared with the following information:

- Monitoring well number (completed by field personnel),
- Date and time of sample collection (completed by field personnel),
- Initials of sampling personnel (completed by field personnel),
- Project name and number (completed by the laboratory),

- Chemical preservative (completed by the laboratory); and
- Requested chemical analysis (completed by the laboratory).

Groundwater samples from each monitoring well were collected directly from the disposable bailers or 12 volt pump in the provided laboratory containers either immediately after purging or within 24 hours of the final purge volume. Immediately after collection, the samples were placed in a laboratory provided cooler and chilled on ice. Field data logs are provided in the Appendix to this report.

Surface water samples were collected directly from stream flow by lowering the prepared sample containers into the stream flow with the opening facing into the current flow. Care was taken not to overfill the sample containers (which could lead to preservative loss) and to avoid sampling-induced turbidity. At the time of sampling, surface water was also measured for temperature, pH, specific conductivity, and turbidity. After sample collection, the samples were placed in a laboratory provided cooler and chilled on ice. Field data logs are provided in the Appendix.

3.2 Laboratory Analysis and JOYCE Quality Control

The April 2014 groundwater and surface water samples were submitted to Pace Analytical Services, Inc. of Huntersville, North Carolina under chain-of-custody control for analysis. As presented earlier, the groundwater samples were analyzed for the NCSWMR Appendix I constituents. JOYCE requested a Level II data report for the final laboratory report. The samples were received by the laboratory on April 30, 2014, in good condition, properly preserved, and within analysis hold times.

In addition to samples collected for compliance monitoring at the Dan Johnson Landfill, a Field Blank was collected by JOYCE personnel as part of the April 2014 sampling event. Also, a Trip Blank was prepared by the laboratory to accompany the volatile sampling containers during shipment to and from the laboratory. The April 2014 Field Blank was analyzed for the NCSWMR Appendix I constituents while the April 2014 Trip Blanks was analyzed for the NCSWMR Appendix I volatile organics only.

Upon receipt of the laboratory data package, the data was reviewed by JOYCE personnel for the following:

- General typographical errors,
- Correct analyses performed and within method specified hold times,
- Biased data results based on Surrogate Recoveries, Matrix Spike, Matrix Spike Duplicate, and Laboratory Control Samples,
- Blank qualified data (B-flags),
- Detections above the groundwater and surface water standards; and
- Detections that are above historical levels.

4.0 DATA ANALYSIS

4.1 Groundwater Data Analysis and Comparisons to Standards

Results from the April 2014 sampling event were received May 7, 2014, from Pace Analytical Services, Inc. and are found in the Appendix. Analytical results from monitoring wells were compared directly to the NC 2L Groundwater Standards (NC 2L) or Groundwater Protection Standards (GWPS).

The following inorganic and organic constituents were detected at quantified concentrations in groundwater during the April 2014 sampling event. All concentrations are reported in micrograms per liter ($\mu\text{g/L}$). Concentrations with a “J” are considered to be estimated. Concentrations with a “B” are attributed to lab or field contamination. Highlighted concentrations were detected above the NC 2L or GWPS in downgradient wells.

Constituent	NC2L/ (GWPS)	Background	Downgradient			Blanks
		MW-1	MW-2	MW-3		
<i>Barium</i>	700	35.4 J	147	82.0 J	ND	ND
<i>Cobalt</i>	(1)	100	61.1	22.0	ND	ND
<i>Benzene</i>	1	2.5	0.99 J	ND	ND	ND
<i>1,4-Dichlorobenzene</i>	6	3.3	8.2	4.0	ND	ND
<i>Cis-1,2-Dichloroethylene</i>	70	8.3	3.6 J	1.1 J	ND	ND
<i>Vinyl Chloride</i>	0.03	1.4	ND	ND	ND	ND

ND = Not Detected

In general, the organic and inorganic results are consistent with historical data. Historical groundwater data can be found in Table 1.

4.2 Surface Water Data Analysis and Comparisons to Standards

No inorganic or organic constituents were detected at quantified concentrations in surface water monitoring points during the April 2014 sampling event. In general, the results are consistent with historical data. Historical surface water data can be found in Table 1.

5.0 CONCLUSION

Based on historical groundwater data, inorganic and organic constituents detected above the NC 2L and GWPS in groundwater samples collected during the April 2014 sampling event are consistent with previous events. In addition, there were no constituents detected at the surface water monitoring points above the NC 2B Standards. The Dan Johnson Landfill will remain in Detection Monitoring under Rule .0500 of the NCSWMR and the next semiannual sampling event is tentatively scheduled for the October 2014.

6.0 REFERENCES

Brown, Philip M., Chief Geologist, 1985, *Geologic Map of North Carolina*, The North Carolina Geologic Survey, scale 1:500,000.

Fetter, C.W., 2001, *Applied Hydrogeology*, Fourth Edition: Prentice-Hall, Inc..

Johnson, A.I., 1967, *Specific Yield - Compilation of Specific Yields For Various Materials*: U.S. Geological Survey Water Supply Paper 1662-D.

North Carolina Department of Environment and Natural Resources, 1990-2011, *Solid Waste Management Regulations*.

USEPA, 1986, *RCRA Ground Water Monitoring Technical Enforcement Guidance Document* (TEGD).

USEPA, 1992, *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Addendum to Interim Final Guidance*, Chapter 2, July.

Table

TABLE 1

Summary of Historically Detected Constituents

Analyte	Sample Collection Date	DL			Upstream			Downstream			Blanks		
		QL	MW-1	MW-2	MW-3								
INORGANICS COMPOUNDS													
Antimony	Apr-93	NR	30	NS	NS	NS	NS	NS	NS	ND	NA		
	Sep-93	NR	30	NS	NS	NS	NS	NS	NS	ND	NA		
	Apr-94	NR	30	NS	NS	NS	NS	NS	NS	ND	NA		
	Oct-94	NR	30	30	ND	ND	ND	ND	ND	ND	NA		
	Apr-95	NR	30	ND	ND	ND	ND	ND	ND	ND	NA		
	Nov-95	NR	30	ND	ND	ND	ND	ND	ND	ND	ND		
	May-96	NR	30	ND	ND	ND	ND	ND	ND	ND	NA		
	Nov-96	NR	30	ND	ND	ND	ND	ND	ND	ND	ND		
	Mar-97	NR	30	ND	ND	ND	ND	ND	ND	ND	ND		
	Sep-97	NR	30	ND	ND	ND	ND	ND	ND	ND	ND		
	Mar-98	NR	30	ND	ND	ND	ND	ND	ND	ND	ND		
	Sep-98	NR	30	ND	ND	ND	ND	ND	ND	ND	ND		
	Mar-99	NR	30	ND	ND	ND	ND	ND	ND	ND	ND		
	Sep-99	NR	30	ND	ND	ND	ND	ND	ND	ND	ND		
	Apr-00	NR	30	ND	ND	ND	ND	ND	ND	ND	ND		
	Sep-00	NR	30	ND	ND	ND	ND	ND	ND	ND	ND		
	Mar-01	NR	30	ND	ND	ND	ND	ND	ND	ND	ND		
	Oct-01	NR	30	ND	ND	ND	ND	ND	ND	ND	ND		
	Apr-02	NR	30	ND	ND	ND	ND	ND	ND	ND	ND		
	Nov-02	NR	30	ND	ND	ND	ND	ND	ND	ND	ND		
	May-03	NR	30	ND	ND	ND	ND	ND	ND	ND	ND		
	Nov-03	NR	30	ND	ND	ND	ND	ND	ND	ND	ND		
	May-04	NR	30	ND	ND	ND	ND	ND	ND	ND	ND		
	Nov-04	NR	30	ND	ND	ND	ND	ND	ND	ND	ND		
	May-05	NR	30	ND	ND	ND	ND	ND	ND	ND	ND		
	Nov-05	NR	30	ND	ND	ND	ND	ND	ND	ND	ND		
	29-Jun-06	NR	30	ND	ND	ND	ND	ND	ND	ND	ND		
	20-Dec-06	NR	6	ND	ND	ND	ND	ND	ND	ND	ND		
	28-Jun-07	1.2	6.0	ND	ND	ND	ND	ND	ND	ND	ND		
GWPS = 1.4 µg/L (10/23/07)	27-Dec-07	1.2	6.0	ND	ND	ND (ND)	ND	1.4	B	4.1	J		
NC 2B = NE (05/01/07)	28-Apr-08	1.2	6.0	ND	1.3	J	ND (ND)	ND	ND	ND	ND		
	08-Dec-08	1.2	6.0	ND	2.5	J	ND (ND)	ND	ND	ND	ND		
	24-Jun-09	1.2	6.0	2.5	B	1.9 (4.8 B)	B	ND	2.6	B	2.2	B	3.1 J
	15-Dec-09	1.2	6.0	ND	9.8	B	2.4 (3.2 B)	B	ND	ND	4.2	B	3.0 J
GWPS = 1 µg/L (8/1/10)	22-Jun-10	1.2	6.0	4.8	B	ND (1.6 B)	6.9	B	4.8	B	2.4	B	3.3 J
	02-Nov-10	1.2	6.0	ND	ND	ND (ND)	ND	ND	ND	ND	ND	ND	
	11-Apr-11	2.6	6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	17-Oct-11	5.0	6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	09-Apr-12	5.0	6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	15-Oct-12	5.0	6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	15-Apr-13	5.0	6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	07-Oct-13	5.0	6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	28-Apr-14	5.0	6.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	

TABLE 1**Summary of Historically Detected Constituents**

Analyte	Sample	Collection Date	DL	QL	MW-1	MW-2	MW-3	Upstream	Downstream	Blanks
Barium	Apr-93	NR	100	<100	<100	698	<50	<50	NA	
	Sep-93	NR	250	<250	<250	371	<250	<250	NA	
	Apr-94	NR	250	<250	<250	<250	<125	<125	NA	
	Oct-94	NR	500	ND	ND	ND	ND	ND	NA	
	Apr-95	NR	500	ND	ND	602	ND	ND	NA	
	Nov-95	NR	500	ND	ND	ND	ND	ND	NA	
	May-96	NR	500	ND	ND	ND	ND	ND	NA	
	Nov-96	NR	500	ND	ND	ND	ND	ND	ND	
	Mar-97	NR	500	ND	ND	ND	ND	ND	ND	
	Sep-97	NR	500	ND	ND	ND	ND	ND	ND	
	Mar-98	NR	500	ND	ND	ND	ND	ND	ND	
	Sep-98	NR	500	ND	ND	ND	ND	ND	ND	
	Mar-99	NR	500	ND	ND	ND	ND	ND	ND	
	Sep-99	NR	500	ND	ND	ND	ND	ND	ND	
	Apr-00	NR	500	ND	ND	ND	ND	ND	ND	
	Sep-00	NR	500	ND	ND	ND	ND	ND	ND	
	Mar-01	NR	500	ND	ND	ND	ND	ND	ND	
	Oct-01	NR	500	ND	ND	ND	ND	ND	ND	
	Apr-02	NR	500	ND	ND	ND	ND	ND	ND	
	Nov-02	NR	500	ND	ND	ND	ND	ND	ND	
	May-03	NR	500	ND	ND	ND	ND	ND	ND	
	Nov-03	NR	500	ND	ND	ND	ND	ND	ND	
	May-04	NR	500	ND	ND	ND	ND	ND	ND	
	Nov-04	NR	500	ND	ND	ND	ND	ND	ND	
	May-05	NR	500	ND	ND	ND	ND	ND	ND	
	Nov-05	NR	500	ND	ND	ND	ND	ND	ND	
	29-Jun-06	NR	500	ND	ND	ND	ND	ND	ND	
	20-Dec-06	NR	100	ND		152	ND	1660	ND	
NC 2L = 2,000 µg/L (10/23/07)	28-Jun-07	1.1	100	24.4	B	91	J 196 (189)	18.1	B	16.7
NC 2B = NE (05/01/07)	27-Dec-07	1.1	100	22.1	B	119	132 (140)	14.9	B	13.2
NC 2L = 700 µg/L (01/01/10)	28-Apr-08	1.1	100	22.2	B	87.8	J 143 (90.3)	15.7	B	7.2
	08-Dec-08	1.1	100	23.5	J	87.8	J 168 (168)	13.7	J	9.8
	24-Jun-09	1.1	100	36.1	B	97.4 (124)	J 79.7 J	14.6	B	13.8
	15-Dec-09	1.1	100	21.3	B	83.8	J 56.2 (60.9 J J	14.3	B	13.9
	22-Jun-10	1.1	100	24.0	J	138 (136)	107	15.5	J	15.2
	02-Nov-10	1.1	100	22.8	B	91.0	J 2.2 (63.5 B B	11.3	B	14.4
	11-Apr-11	0.20	100	26.4	B	131	197	11.8	B	12.1
	17-Oct-11	5.0	100	27.1	J	110	173	11.9	J	13.1
	09-Apr-12	5.0	100	29.4	B	89.7	J 119	13.9	B	13.8
	15-Oct-12	5.0	100	24.0	J	106	146	15.5	J	16.2
	15-Apr-13	5.0	100	32.3	J	139	82.0 J	16.5	J	15.4
	07-Oct-13	5.0	100	32.3	J	156	98.7 J	33.2	J	37.9
	28-Apr-14	5.0	100	35.4	J	147	82.0 J	17.6	J	18.5

TABLE 1**Summary of Historically Detected Constituents**

Analyte	Sample Collection Date						Upstream	Downstream	Blanks
		DL	QL	MW-1	MW-2	MW-3			
Beryllium	Apr-93	NR	2	NS	NS	NS	NS	NS	NA
	Sep-93	NR	2	NS	NS	NS	NS	NS	NA
	Apr-94	NR	2	NS	NS	NS	NS	NS	NA
	Oct-94	NR	2	ND	ND	ND	ND	ND	NA
	Apr-95	NR	2	ND	3	ND	ND	ND	NA
	Nov-95	NR	2	ND	2	ND	ND	ND	NA
	May-96	NR	2	2	4	ND	2	2	NA
	Nov-96	NR	2	ND	2	6	ND	ND	ND
	Mar-97	NR	2	ND	ND	ND	ND	ND	ND
	Sep-97	NR	2	ND	2	ND	ND	ND	ND
	Mar-98	NR	2	ND	2	ND	ND	ND	ND
	Sep-98	NR	2	ND	4	ND	ND	ND	ND
	Mar-99	NR	2	ND	2	ND	ND	ND	ND
	Sep-99	NR	2	ND	ND	ND	ND	ND	ND
	Apr-00	NR	2	ND	ND	ND	ND	ND	ND
	Sep-00	NR	2	ND	ND	ND	ND	ND	ND
	Mar-01	NR	2	ND	ND	ND	ND	ND	ND
	Oct-01	NR	2	ND	ND	ND	ND	ND	ND
	Apr-02	NR	2	ND	ND	ND	ND	ND	ND
	Nov-02	NR	2	ND	ND	ND	ND	ND	ND
	May-03	NR	2	ND	ND	ND	ND	ND	ND
	Nov-03	NR	2	ND	ND	ND	ND	ND	ND
	May-04	NR	2	ND	ND	ND	ND	ND	ND
	Nov-04	NR	2	ND	ND	ND	ND	ND	ND
	May-05	NR	2	ND	ND	ND	ND	ND	ND
	Nov-05	NR	2	ND	ND	ND	ND	ND	ND
GWPS = 4 µg/L (10/23/07) NC 2B = 6.5 µg/L (05/01/07)	29-Jun-06	NR	2	ND	ND	ND	ND	ND	ND
	20-Dec-06	NR	1	ND	ND	ND	ND	ND	ND
	28-Jun-07	0.2	1.0	ND	ND	ND	ND	ND	ND
	27-Dec-07	0.2	1.0	ND	ND	0.3 (0.3 J)	J	ND	ND
	28-Apr-08	0.2	1.0	0.2	J	ND	0.2 (0.6 J)	J	ND
	08-Dec-08	0.2	1.0	ND	ND	0.5 (0.4 J)	J	ND	ND
	24-Jun-09	0.2	1.0	ND	0.27 (0.2 B)	B	0.4	B	0.2
	15-Dec-09	0.2	1.0	ND	ND	ND (ND)	ND	ND	ND
	22-Jun-10	0.2	1.0	ND	ND (ND)	ND	ND	ND	ND
	02-Nov-10	0.2	1.0	0.3	J	0.2	J	0.5 (0.4 J)	J
	11-Apr-11	0.10	1.0	ND	ND	ND	ND	ND	ND
	17-Oct-11	1.0	1.0	ND	ND	ND	ND	ND	ND
	09-Apr-12	1.0	1.0	ND	ND	ND	ND	ND	ND
	15-Oct-12	1.0	1.0	ND	ND	ND	ND	ND	ND
	15-Apr-13	1.0	1.0	1.4	B	1.3	B	1.6	B
	07-Oct-13	1.0	1.0	ND	ND	ND	ND	ND	ND
	28-Apr-14	1.0	1.0	ND	ND	ND	ND	ND	ND

TABLE 1

Summary of Historically Detected Constituents

Analyte	Sample	Collection Date	DL	QL	MW-1	MW-2	MW-3	Upstream	Downstream	Blanks
Cadmium		Apr-93	NR	1	<2	2.1	<2	<2	<2	NA
		Sep-93	NR	1	<2	<2	<2	<2	<2	NA
		Apr-94	NR	1	<2	4	<2	<2	<2	NA
		Oct-94	NR	1	1.8	ND	2.7	1	ND	NA
		Apr-95	NR	1	ND	ND	1	ND	ND	NA
		Nov-95	NR	1	2	1.8	1.5	ND	ND	NA
		May-96	NR	1	ND	2	2	ND	ND	ND
		Nov-96	NR	1	ND	2	1	ND	ND	ND
		Mar-97	NR	1	ND	3	ND	1	ND	ND
		Sep-97	NR	1	ND	3	ND	2	ND	ND
		Mar-98	NR	1	ND	3	ND	ND	ND	ND
		Oct-94	NR	1	1.8	ND	2.7	1	ND	NS
		Sep-98	NR	1	ND	3	ND(1)	1	ND	ND
		Mar-99	NR	1	ND	3(1)	3	ND	ND	ND
		Sep-99	NR	1	ND	1.7	ND	ND	ND	ND
		Apr-00	NR	1	ND	ND	ND	ND	ND	ND
		Sep-00	NR	1	ND	ND	ND	ND	ND	ND
		Mar-01	NR	1	ND	ND	ND	1.8	1.1	ND
		Oct-01	NR	1	ND	ND	ND	ND	ND	ND
		Apr-02	NR	1	ND	ND	ND	ND	ND	ND
		Nov-02	NR	1	ND	ND	ND(1)	ND	ND	ND
		May-03	NR	1	ND	ND	ND	ND	ND	ND
		Nov-03	NR	1	ND	ND	ND	ND	ND	ND
		May-04	NR	1	ND	ND	ND	ND	ND	ND
		Nov-04	NR	1	1	ND	ND	ND	ND	ND
		May-05	NR	1	2	1(1)	2	ND	ND	ND
		Nov-05	NR	1	ND	2	ND	ND	ND	ND
		29-Jun-06	NR	1	ND	3	ND	ND	ND	ND
		20-Dec-06	NR	1	ND	ND	ND	ND	ND	1.7
		28-Jun-07	0.2	1.0	0.8	J	1.2	0.4 J (0.4 J)	ND	ND
NC 2L = 1.75 µg/L (10/23/07)		27-Dec-07	0.2	1.0	ND		ND (ND)	ND	ND	ND
NC 2B = 2 µg/L (05/01/07)		28-Apr-08	0.2	1.0	ND		0.8	J ND (ND)	ND	0.2
		08-Dec-08	0.2	1.0	0.9	J	0.8	J ND (ND)	ND	J
		24-Jun-09	0.2	1.0	0.3	B	0.7 (0.3 B)	B 0.2	B	0.2
		15-Dec-09	0.2	1.0	ND		ND	ND (ND)	ND	ND
NC 2L = 2 µg/L (01/01/10)		22-Jun-10	0.2	1.0	2.1		1.8 (1.4)	0.2	J	ND
		02-Nov-10	0.2	1.0	1.4		1.1	0.3 (0.4 J)	J	ND
		11-Apr-11	0.50	1.0	ND		ND	ND	ND	ND
		17-Oct-11	1.0	1.0	ND		ND	ND	ND	ND
		09-Apr-12	1.0	1.0	ND		ND	ND	ND	ND
		15-Oct-12	1.0	1.0	ND		ND	ND	ND	ND
		15-Apr-13	1.0	1.0	ND		ND	ND	ND	ND
		07-Oct-13	1.0	1.0	ND		ND	ND	ND	ND
		28-Apr-14	1.0	1.0	ND		ND	ND	ND	ND

TABLE 1**Summary of Historically Detected Constituents**

Analyte	Sample	Collection Date	DL	QL	MW-1	MW-2	MW-3	Upstream	Downstream	Blanks		
Chromium	Apr-93	NR	40	<40	<40	<40	<40	<20	<20	NA		
	Sep-93	NR	20	<20	<20	<20	<20	<20	<20	NA		
	Apr-94	NR	20	41	<20	<20	<20	<10	<10	NA		
	Oct-94	NR	10	ND	ND	ND	ND	ND	ND	NA		
	Apr-95	NR	10	ND	ND	ND	ND	ND	ND	NA		
	Nov-95	NR	10	ND	ND	ND	ND	20	12	NA		
	May-96	NR	10	ND	ND	ND	ND	ND	ND	ND		
	Nov-96	NR	10	ND	ND	ND	ND	ND	ND	ND		
	Mar-97	NR	10	ND	ND	ND	ND	ND	ND	ND		
	Sep-97	NR	10	ND	ND	ND	ND	ND	ND	ND		
	Mar-98	NR	10	ND	ND	ND	ND	ND	ND	ND		
	Sep-98	NR	10	ND	13	ND	ND	ND	ND	ND		
	Mar-99	NR	10	ND	ND	ND	ND	ND	ND	ND		
	Sep-99	NR	10	ND	11	ND	ND	ND	ND	ND		
	Apr-00	NR	10	ND	ND	ND	ND	ND	ND	ND		
	Sep-00	NR	10	ND	ND	ND	ND	ND	ND	ND		
	Mar-01	NR	10	ND	ND	ND	ND	ND	ND	ND		
	Oct-01	NR	10	ND	ND	ND	ND	ND	ND	ND		
	Apr-02	NR	10	ND	ND	ND	ND	ND	ND	ND		
	Nov-02	NR	10	ND	ND	ND	ND	ND	ND	ND		
	May-03	NR	10	ND	ND	ND	ND	ND	ND	ND		
	Nov-03	NR	10	ND	ND	ND	ND	ND	ND	ND		
	May-04	NR	10	ND	ND	ND	ND	ND	ND	ND		
	Nov-04	NR	10	ND	ND	ND	ND	ND	ND	ND		
	May-05	NR	10	ND	ND	ND	ND	ND	ND	ND		
	Nov-05	NR	10	ND	ND	ND	ND	ND	ND	ND		
	29-Jun-06	NR	10	ND	ND	ND	ND	ND	ND	ND		
	20-Dec-06	NR	10	ND	ND	ND	ND	ND	ND	ND		
	28-Jun-07	0.7	10.0	1.7	J	4.8	J 9.3 J (7.9 J)	ND	1.1	J	ND	
NC 2L = 50 µg/L (10/23/07)	27-Dec-07	0.7	10.0	1.9	J	6.0	J 2.3 (3.3 J) J	ND	ND	ND	ND	
NC 2B = 50 µg/L (05/01/07)	28-Apr-08	0.7	10.0	2.7	J	7.3	J 3.0 (8.8 J) J	ND	ND	ND	ND	
	08-Dec-08	0.7	10.0	1.7	J	7.3	J 2.5 (2.5 J) J	ND	ND	ND	ND	
	24-Jun-09	0.7	10.0	2.2	J	4.8 (5.3 J)	J 2.1 J	1.5	J	ND	ND	
	15-Dec-09	0.7	10.0	1.3	J	6.4	J 1.4 (1.5 J) J	ND	1.2	J	ND	
NC 2L = 10 µg/L (01/01/10)	22-Jun-10	0.7	10.0	ND	ND	5.0 (4.3 J)	J 3.2 J	ND	ND	ND	ND	
	02-Nov-10	0.7	10.0	1.0	J	3.3	J 1.8 (1.6 J) J	ND	ND	ND	ND	
	11-Apr-11	0.40	10.0	ND	ND	0.61	J 0.96 J	0.66	J	0.44	J	ND
	17-Oct-11	5.0	10.0	ND	ND	ND	ND	ND	ND	ND	ND	
	09-Apr-12	5.0	10.0	ND	ND	ND	ND	ND	ND	ND	ND	
	15-Oct-12	5.0	10.0	ND	ND	ND	ND	ND	ND	ND	ND	
	15-Apr-13	5.0	10.0	ND	ND	ND	ND	ND	ND	ND	ND	
	07-Oct-13	5.0	10.0	ND	ND	ND	ND	ND	ND	ND	ND	
	28-Apr-14	5.0	10.0	ND	ND	ND	ND	ND	ND	ND	ND	

TABLE 1

Summary of Historically Detected Constituents

Analyte	Sample	Collection Date	DL	QL	MW-1	MW-2	MW-3	Upstream	Downstream	Blanks
Cobalt	Apr-93	NR	10	NS	NS	NS	NS	NS	NS	NA
	Sep-93	NR	10	NS	NS	NS	NS	NS	NS	NA
	Apr-94	NR	10	NS	NS	NS	NS	NS	NS	NA
	Oct-94	NR	10	ND	47	105	ND	ND	ND	NA
	Apr-95	NR	10	ND	46	115	ND	ND	ND	NA
	Nov-95	NR	10	13	54	49	ND	ND	ND	NA
	May-96	NR	10	ND	60	46	ND	ND	ND	ND
	Nov-96	NR	10	ND	60	71	ND	ND	ND	ND
	Mar-97	NR	10	ND	64	29	ND	ND	ND	ND
	Sep-97	NR	10	ND	54	75	ND	ND	ND	ND
	Mar-98	NR	10	10	67	21	ND	ND	ND	ND
	Sep-98	NR	10	ND	76	77(75)	ND	ND	ND	ND
	Mar-99	NR	10	14	65(65)	45	ND	ND	ND	ND
	Sep-99	NR	10	ND	71	50	51	ND	ND	ND
	Apr-00	NR	10	12	60(59)	45	ND	ND	ND	ND
	Sep-00	NR	10	ND	72	59	ND	ND	ND	ND
	Mar-01	NR	10	12	71	34(34)	ND	ND	ND	ND
	Oct-01	NR	10	ND	65	76(75)	ND	ND	ND	ND
	Apr-02	NR	10	ND	63	64(63)	ND	ND	ND	ND
	Nov-02	NR	10	ND	56	17(18)	ND	ND	ND	ND
	May-03	NR	10	ND	78(80)	31	ND	ND	ND	ND
	Nov-03	NR	10	ND	67	47(52)	ND	ND	ND	ND
	May-04	NR	10	ND	54(54)	59	ND	ND	ND	ND
	Nov-04	NR	10	ND	55(54)	35	ND	ND	ND	ND
	May-05	NR	10	ND	53(50)	44	ND	ND	ND	ND
	Nov-05	NR	10	ND	40	44(42)	ND	ND	ND	ND
	29-Jun-06	NR	10	ND	50	57	ND	ND	ND	ND
	20-Dec-06	NR	10	ND	ND	ND	ND	ND	ND	ND
	28-Jun-07	0.7	10.0	5.3	B	52.2	64.6 (66.1)	ND	ND	1.3
GWPS = 70 µg/L (10/23/07)	27-Dec-07	0.7	10.0	4.1	J	47.8	26.5 (26.3)	ND	ND	ND
NC 2B = NE µg/L (05/01/07)	28-Apr-08	0.7	10.0	11.3		50.0	34.8 (46.8)	0.7	B	ND
	08-Dec-08	0.7	10.0	9.0	J	50.0	30.1 (30.3)	ND	ND	ND
	24-Jun-09	0.7	10.0	13.4		52.0 (50.8)	24.5	0.8	J	ND
	15-Dec-09	0.7	10.0	17.1		46.0	9.6 (9.2 J)	J	0.8	J
	22-Jun-10	0.7	10.0	16.7		56.4 (55.3)	48.9	1.2	J	ND
GWPS = 1 µg/L (10/1/10)	02-Nov-10	0.7	10.0	21.3		44.3	13.1 (12.0)	ND	0.9	J
	11-Apr-11	0.60	10.0	48.2		52.6	24.2	ND	ND	ND
	17-Oct-11	5.0	10.0	26.8		41.7	45.5	ND	ND	ND
	09-Apr-12	5.0	10.0	46.1		34.3	19.6	ND	ND	ND
	15-Oct-12	5.0	10.0	32.1		42.2	24.6	ND	ND	ND
	15-Apr-13	5.0	10.0	92.6		57.0	14.9	ND	ND	ND
	07-Oct-13	5.0	10.0	107		76.3	34.8	6.3	J	7.4
	28-Apr-14	5.0	10.0	100		61.1	22	ND	ND	ND

TABLE 1**Summary of Historically Detected Constituents**

Analyte	Sample	Collection Date	DL	QL	MW-1	MW-2	MW-3	Upstream	Downstream	Blanks
Copper	Apr-93	NR	200	23		43	21	<10	<10	NA
	Sep-93	NR	200	<10		<10	<10	<10	<10	NA
	Apr-94	NR	200	<10		10	72	<5	<5	NA
	Oct-94	NR	200	ND		ND	ND	ND	ND	NA
	Apr-95	NR	200	ND		ND	ND	ND	ND	NA
	Nov-95	NR	200	ND		ND	ND	ND	ND	NA
	May-96	NR	200	ND		ND	ND	ND	ND	ND
	Nov-96	NR	200	ND		ND	ND	ND	ND	ND
	Mar-97	NR	200	ND		ND	ND	ND	ND	ND
	Sep-97	NR	200	ND		ND	ND	ND	ND	ND
	Mar-98	NR	200	ND		ND	ND	ND	ND	ND
	Sep-98	NR	200	ND		ND	ND	ND	ND	ND
	Mar-99	NR	200	ND		ND	ND	ND	ND	ND
	Sep-99	NR	200	ND		ND	ND	ND	ND	ND
	Apr-00	NR	200	ND		ND	ND	ND	ND	ND
	Sep-00	NR	200	ND		ND	ND	ND	ND	ND
	Mar-01	NR	200	ND		ND	ND	ND	ND	ND
	Oct-01	NR	200	ND		ND	ND	ND	ND	ND
	Apr-02	NR	200	ND		ND	ND	ND	ND	ND
	Nov-02	NR	200	ND		ND	ND	ND	ND	ND
	May-03	NR	200	ND		ND	ND	ND	ND	ND
	Nov-03	NR	200	ND		ND	ND	ND	ND	ND
	May-04	NR	200	ND		ND	ND	ND	ND	ND
	Nov-04	NR	200	ND		ND	ND	ND	ND	ND
	May-05	NR	200	ND		ND	ND	ND	ND	ND
	Nov-05	NR	200	ND		ND	ND	ND	ND	ND
NC 2L = 1,000 µg/L (10/23/07) NC 2B = 7 µg/L (05/01/07)	29-Jun-06	NR	200	ND		ND	ND	ND	ND	ND
	20-Dec-06	NR	10	12		ND	ND	ND	ND	ND
	28-Jun-07	2.0	10.0	6.9	B	6.0	B 7.1 B (6.1 B)	5.8	B	6.3
	27-Dec-07	2.0	10.0	ND		10.0	1.3 (ND) J	ND	ND	ND
	28-Apr-08	2.0	10.0	ND		3.8	B 1.3 (2.4 B) B	3.2	B	ND
	08-Dec-08	2.0	10.0	ND		3.8	J ND (ND)	ND	ND	ND
	24-Jun-09	2.0	10.0	ND		4.3 (3.8 J)	J 3.5 J	2.2	J	ND
	15-Dec-09	2.0	10.0	ND		4.2	J ND (ND)	ND	ND	ND
	22-Jun-10	2.0	10.0	ND		6.4 (3.6 J)	J 1.7 J	1.8	J	1.7
	02-Nov-10	2.0	10.0	ND		ND	ND (ND)	ND	ND	5.4
	11-Apr-11	0.30	10.0	0.45	B	0.55	B 0.81 B	0.69	B	0.67
	17-Oct-11	5.0	10.0	ND		ND	ND	ND	ND	ND
	09-Apr-12	5.0	10.0	5.3	J	ND	ND	ND	ND	ND
	15-Oct-12	5.0	10.0	ND		ND	ND	ND	ND	ND
NC 2L = 1,000 µg/L (01/01/10)	15-Apr-13	5.0	10.0	ND		ND	ND	ND	ND	ND
	07-Oct-13	5.0	10.0	ND		ND	ND	ND	5.1	J
	28-Apr-14	5.0	10.0	ND		ND	ND	ND	ND	ND

TABLE 1**Summary of Historically Detected Constituents**

Analyte	Sample		DL	QL	MW-1	MW-2	MW-3	Upstream	Downstream	Blanks
	Collection Date									
Lead	Apr-93	NR	10	<5	67	14		<5	<5	NA
	Sep-93	NR	10	<5	30	8.8		<5	<5	NA
	Apr-94	NR	10	<5	10	15		<5	<5	NA
	Oct-94	NR	10	ND	ND	ND		ND	ND	NA
	Apr-95	NR	10	ND	ND	18		ND	ND	NA
	Nov-95	NR	10	ND	17	11		ND	ND	NA
	May-96	NR	10	ND	16	11		ND	ND	ND
	Nov-96	NR	10	ND	15	ND		ND	ND	ND
	Mar-97	NR	10	ND	ND	ND		ND	ND	ND
	Sep-97	NR	10	ND	16	ND		ND	ND	ND
	Mar-98	NR	10	ND	20	22		ND	ND	ND
	Sep-98	NR	10	ND	20	ND		ND	ND	ND
	Mar-99	NR	10	ND	10(ND)	ND		ND	ND	ND
	Sep-99	NR	10	ND		14		ND	ND	ND
	Apr-00	NR	10	ND	ND	ND		ND	ND	ND
	Sep-00	NR	10	ND	ND	ND		ND	ND	ND
	Mar-01	NR	10	ND	ND	ND		ND	ND	ND
	Oct-01	NR	10	ND	ND	ND		ND	ND	ND
	Apr-02	NR	10	ND	ND	ND		ND	ND	ND
	Nov-02	NR	10	ND	ND	ND		ND	ND	ND
	May-03	NR	10	ND	10(12)	ND		ND	ND	ND
	Nov-03	NR	10	ND		ND		ND	ND	ND
	May-04	NR	10	ND	ND	ND		ND	ND	ND
	Nov-04	NR	10	ND	ND	ND		ND	ND	ND
	May-05	NR	10	ND	ND	ND		ND	ND	ND
	Nov-05	NR	10	ND	ND	ND		ND	ND	ND
	29-Jun-06	NR	10	ND	ND	ND		ND	ND	ND
	20-Dec-06	NR	10	ND	ND	ND		ND	ND	ND
	28-Jun-07	2.0	10.0	14.7	9.6	J 6.0 J (3.7 J)	3.0	J	ND	ND
NC 2L = 15 µg/L (10/23/07)	27-Dec-07	2.0	10.0	ND	3.5	B ND (ND)	ND	2.8	B	2.1 J
NC 2B = 25 µg/L (05/01/07)	28-Apr-08	2.0	10.0	ND	6.6	B ND (2.8 B)	2.7	B	3.2 B	2.5 J
	08-Dec-08	2.0	10.0	4.1	B	6.6 B 2.1 (2.6 B) B	ND	2.7	B	2.8 J
	24-Jun-09	2.0	10.0	4.0	J	4.6 (6.0 J) J 5.4 J	3.6	J	ND	ND
	15-Dec-09	2.0	10.0	ND	4.6	J ND (ND)	4.0	J	ND	ND
	22-Jun-10	2.0	10.0	6.4	J	7.1 (4.0 J) J 1.7 J	3.2	J	ND	ND
	02-Nov-10	2.0	10.0	2.8	J	ND ND (ND)	ND	ND	ND	ND
	11-Apr-11	4.0	10.0	ND	ND	ND	ND	ND	ND	ND
	17-Oct-11	5.0	10.0	ND	ND	ND	ND	ND	ND	ND
	09-Apr-12	5.0	10.0	ND	7.0	J ND	ND	ND	ND	ND
	15-Oct-12	5.0	10.0	ND	ND	ND	ND	ND	ND	ND
	15-Apr-13	5.0	10.0	ND	ND	ND	ND	ND	ND	ND
	07-Oct-13	5.0	10.0	ND	ND	ND	ND	ND	ND	ND
	28-Apr-14	5.0	10.0	ND	ND	ND	ND	ND	ND	ND

TABLE 1**Summary of Historically Detected Constituents**

Analyte	Sample Collection Date						Upstream	Downstream	Blanks
		DL	QL	MW-1	MW-2	MW-3			
Nickel	Apr-93	NR	50	NS	NS	NS	NS	NS	NA
	Sep-93	NR	50	NS	NS	NS	NS	NS	NA
	Apr-94	NR	50	NS	NS	NS	NS	NS	NA
	Oct-94	NR	50	ND	ND	ND	ND	ND	NA
	Apr-95	NR	50	ND	ND	ND	ND	ND	NA
	Nov-95	NR	50	ND	ND	ND	ND	ND	NA
	May-96	NR	50	ND	ND	ND	ND	ND	ND
	Nov-96	NR	50	ND	ND	ND	ND	ND	ND
	Mar-97	NR	50	ND	ND	ND	ND	ND	ND
	Sep-97	NR	50	ND	ND	ND	ND	ND	ND
	Mar-98	NR	50	ND	ND	ND	ND	ND	ND
	Sep-98	NR	50	ND	ND	ND	ND	ND	ND
	Mar-99	NR	50	ND	ND	63	ND	ND	ND
	Sep-99	NR	50	ND	ND	ND	ND	ND	ND
	Apr-00	NR	50	ND	ND	ND	ND	ND	ND
	Sep-00	NR	50	ND	ND	ND	ND	ND	ND
	Mar-01	NR	50	ND	ND	ND	ND	ND	ND
	Oct-01	NR	50	ND	ND	ND	ND	ND	ND
	Apr-02	NR	50	ND	ND	ND	ND	ND	ND
	Nov-02	NR	50	ND	ND	ND	ND	ND	ND
	May-03	NR	50	ND	ND	ND	ND	ND	ND
	Nov-03	NR	50	ND	ND	ND	ND	ND	ND
	May-04	NR	50	ND	ND	ND	ND	ND	ND
	Nov-04	NR	50	ND	ND	ND	ND	ND	ND
	May-05	NR	50	ND	ND	ND	ND	ND	ND
	Nov-05	NR	50	ND	ND	ND	ND	ND	ND
NC 2L = 100 µg/L (10/23/07) NC 2B = 88 µg/L (05/01/07)	29-Jun-06	NR	50	ND	ND	ND	ND	ND	ND
	20-Dec-06	NR	50	ND	ND	ND	ND	ND	ND
	28-Jun-07	0.6	50.0	1.9	B 13.4	B 9.2 (5.7 B)	B 3.5	B 1.9	B 6.0 J
	27-Dec-07	0.6	50.0	1.5	J 12.5	J 2.4 (1.7 J)	J ND	ND	ND
	28-Apr-08	0.6	50.0	2.0	B 14.9	B 1.9 (13.8 B)	B 1.1	B ND	5.0 J
	08-Dec-08	0.6	50.0	ND	14.9	B 17.7 (3.0 B)	B 1.5	B 1.5	B 4.3 J
	24-Jun-09	0.6	50.0	1.7	B 15.4 (15.3 J)	J 1.8	B ND	ND	2.4 J
	15-Dec-09	0.6	50.0	ND	10.5	J ND (ND)	50.0	ND	ND
	22-Jun-10	0.6	50.0	ND	12.8 (12.6 J)	J ND	ND	ND	ND
	02-Nov-10	0.6	50.0	2.3	J 12.1	J 2.0 (1.7 J)	J 0.8	J 0.8	J ND
	11-Apr-11	1.7	50.0	ND	9.4	B ND	ND	ND	4.4 J
	17-Oct-11	5.0	50.0	ND	9.7	J ND	ND	ND	ND
	09-Apr-12	5.0	50.0	ND	8.5	J ND	ND	ND	ND
	15-Oct-12	5.0	50.0	ND	10.7	J ND	ND	ND	ND
	15-Apr-13	5.0	50.0	ND	9.0	J ND	ND	ND	ND
Selenium NC 2B = 5 µg/L (05/01/07) NC 2L = 20 µg/L (01/01/10)	07-Oct-13	5.0	50.0	ND	8.1	J ND	ND	ND	ND
	28-Apr-14	5.0	50.0	ND	7.5	J ND	ND	ND	ND
	24-Jun-09	6.3	10.0	ND	ND (ND)	ND	6.4	J ND	ND
	15-Dec-09	6.3	10.0	ND	ND	ND (ND)	ND	ND	7.4 J
	22-Jun-10	6.3	10.0	ND	ND (ND)	ND	ND	ND	ND
	02-Nov-10	6.3	10.0	ND	ND	ND (ND)	ND	ND	ND
	11-Apr-11	3.8	10.0	ND	ND	ND	ND	ND	ND
	17-Oct-11	10.0	10.0	ND	ND	ND	ND	ND	ND
	09-Apr-12	10.0	10.0	ND	ND	ND	ND	ND	ND
	15-Oct-12	10.0	10.0	ND	ND	ND	ND	ND	ND
	15-Apr-13	10.0	10.0	ND	ND	ND	ND	ND	ND
	07-Oct-13	10.0	10.0	ND	ND	ND	ND	ND	ND
	28-Apr-14	10.0	10.0	ND	ND	ND	ND	ND	ND

TABLE 1**Summary of Historically Detected Constituents**

Analyte	Sample Collection Date						Upstream	Downstream	Blanks
		DL	QL	MW-1	MW-2	MW-3			
Silver NC 2L = 17.5 µg/L (10/23/07) NC 2B = 0.06 µg/L (05/01/07)	27-Dec-07	1.1	10.0	2.6	B	ND	1.3 (ND)	B	ND
	28-Apr-08	1.1	10.0	ND		ND	ND (ND)		ND
	08-Dec-08	1.1	10.0	ND		ND	1.5 (1.6 J)	J	ND
	24-Jun-09	1.1	10.0	ND	ND (4.1 J)	ND	2.0	J	ND
	15-Dec-09	1.1	10.0	ND	ND	1.8 (5.3B)	B	5.9	ND
	22-Jun-10	1.1	10.0	ND	ND (ND)	1.8	J	ND	ND
	02-Nov-10	1.1	10.0	ND		ND	ND (ND)		ND
	11-Apr-11	0.10	10.0	ND		ND	ND	0.18	B
	17-Oct-11	5.0	10.0	ND		ND	ND	ND	ND
	09-Apr-12	5.0	10.0	ND		ND	ND	ND	ND
	15-Oct-12	5.0	10.0	ND		ND	ND	ND	ND
	15-Apr-13	5.0	10.0	ND		ND	ND	ND	ND
	07-Oct-13	5.0	10.0	ND		ND	ND	ND	ND
	28-Apr-14	5.0	10.0	ND		ND	ND	ND	ND
Thallium GWPS = 0.28 µg/L (10/23/07) NC 2B = NE (05/01/07)	28-Apr-08	2.7	5.5	ND		ND	ND	3.3	J
	08-Dec-08	2.7	5.5	ND		ND	ND (ND)	ND	ND
	24-Jun-09	2.7	5.5	ND	ND (ND)	ND	ND	ND	ND
	15-Dec-09	2.7	5.5	ND	ND	ND (ND)	ND	ND	ND
	22-Jun-10	2.7	5.5	ND	ND (ND)	ND	ND	ND	ND
	02-Nov-10	2.7	5.5	ND	ND	ND (ND)	ND	ND	ND
	11-Apr-11	3.0	5.5	ND		ND	ND	ND	ND
	17-Oct-11	5.4	5.5	ND		ND	ND	ND	ND
	09-Apr-12	5.4	5.5	ND		ND	ND	ND	ND
	15-Oct-12	5.4	5.5	ND		ND	ND	6.4	ND
	15-Apr-13	5.4	5.5	ND		ND	ND	ND	ND
	07-Oct-13	5.4	5.5	ND		ND	ND	ND	ND
	28-Apr-14	5.4	5.5	ND		ND	ND	ND	ND
Vanadium GWPS = 3.5 µg/L (10/23/07) NC 2B = NE (05/01/07)	27-Dec-07	0.40	25.0	0.7	J	0.9	J	ND (ND)	ND
	28-Apr-08	0.4	25.0	ND		1.4	J	ND (ND)	ND
	08-Dec-08	0.4	25.0	3.3	J	1.4	J	ND (ND)	ND
	24-Jun-09	0.4	25.0	4.2	J	1.4 (5.9 J)	J	ND	ND
	15-Dec-09	0.4	25.0	1.4	B	0.5	B	0.8 (ND)	B
	22-Jun-10	0.4	25.0	ND	ND (ND)	ND	ND	ND	0.9 J
	02-Nov-10	0.4	25.0	1.4	J	0.9	J	ND (ND)	ND
	11-Apr-11	0.20	25.0	ND		ND	ND	ND	ND
	17-Oct-11	5.0	25.0	ND		ND	ND	ND	ND
	09-Apr-12	5.0	25.0	ND		ND	ND	ND	ND
	15-Oct-12	5.0	25.0	ND		ND	ND	ND	ND
	15-Apr-13	5.0	25.0	ND		ND	ND	ND	ND
	07-Oct-13	5.0	25.0	ND		ND	ND	ND	ND
	28-Apr-14	5.0	25.0	ND		ND	ND	ND	ND

TABLE 1

Summary of Historically Detected Constituents

Analyte	Sample Collection Date						Upstream	Downstream	Blanks
		DL	QL	MW-1	MW-2	MW-3			
Zinc	Apr-93	NR	50	27	140	335	27	14	NA
	Sep-93	NR	50	20	41	84	<10	29	NA
	Apr-94	NR	50	<20	51	133	<10	48	NA
	Oct-94	NR	50	ND	ND	ND	ND	ND	NA
	Apr-95	NR	50	ND	52	74	112	ND	NA
	Nov-95	NR	50	68	174	98	ND	ND	NA
	May-96	NR	50	125	198	70	98	ND	ND
	Nov-96	NR	50	84	92	72	56	92	ND
	Mar-97	NR	50	55	B	86	B	72	B
	Sep-97	NR	50	122		199		145	343
	Mar-98	NR	50	ND	349	110	ND	ND	ND
	Sep-98	NR	50	ND	183	ND	ND	ND	ND
	Mar-99	NR	50	ND	ND	ND	ND	ND	ND
	Sep-99	NR	50	ND	185	ND	ND	ND	ND
	Apr-00	NR	50	ND	ND	ND	ND	ND	ND
	Sep-00	NR	50	ND	ND	ND	ND	ND	ND
	Mar-01	NR	50	ND	ND	ND	ND	ND	ND
	Oct-01	NR	50	ND	152	ND	ND	ND	ND
	Apr-02	NR	50	ND	ND	ND	ND	ND	ND
	Nov-02	NR	50	ND	52	ND	ND	ND	ND
	May-03	NR	50	ND	ND(69)	ND	ND	ND	ND
	Nov-03	NR	50	ND	ND	ND	ND	ND	ND
	May-04	NR	50	ND	ND	ND	ND	ND	ND
	Nov-04	NR	50	52	ND	ND	ND	ND	ND
	May-05	NR	50	ND	ND	ND	ND	ND	ND
	Nov-05	NR	50	ND	55	ND	ND	ND	ND
NC 2L = 1,050 µg/L (10/23/07) NC 2B = 50 µg/L (05/01/07)	29-Jun-06	NR	50	ND	ND	ND	ND	ND	ND
	20-Dec-06	NR	10	ND	28(27)	ND	ND	ND	ND
	28-Jun-07	2.7	10.0	32.3	38.0	50.7 (32.6)	22.3	27.8	ND
	27-Dec-07	2.7	10.0	20.9	B	51.6	17.9 (15.2	B	9.8
	28-Apr-08	2.7	10.0	41.5		46.6	79.9 (68.6)	64.1	20.3
	08-Dec-08	2.7	10.0	ND		46.6	B ND (ND)	ND	ND
	24-Jun-09	2.7	10.0	10.2	B	161 (114)	B 10.3	B	19.8
	15-Dec-09	2.7	10.0	9.8	B	7.93	B ND (ND)	ND	83.3
	22-Jun-10	2.7	10.0	9.9	B	25.0 (16.4	B 10.6	B	26.5
	02-Nov-10	2.7	10.0	11.1	B	25.6	B 9.6 (3.8	B	7.8
	11-Apr-11	0.40	10.0	4.0	B	32.8	B 4.4	B	15.1
	17-Oct-11	10.0	10.0	ND		131	ND	ND	ND
	09-Apr-12	10.0	10.0	ND		59.1	ND	ND	ND
	15-Oct-12	10.0	10.0	ND		71.4	ND	ND	ND
	15-Apr-13	10.0	10.0	ND		42.9	ND	ND	ND
NC 2L = 1,000 µg/L (01/01/10)	07-Oct-13	10.0	10.0	ND		20.2	13.1	17.3	22.5
	28-Apr-14	10.0	10.0	ND		ND	ND	ND	ND

TABLE 1**Summary of Historically Detected Constituents**

Analyte	Sample Collection Date	Sample			Upstream	Downstream	Blanks
		DL	QL	MW-1			
Organic Compounds							
Acetone	Apr-95	NR	100	ND	ND	ND	ND
	Oct-95	NR	100	ND	ND	ND	ND
	Apr-96	NR	100	ND	ND	ND	ND
	Nov-96	NR	100	ND	ND	ND	ND
	Mar-97	NR	100	ND	ND	ND	ND
	Sep-97	NR	100	ND	ND	ND	ND
	Mar-98	NR	100	ND	ND	ND	ND
	Sep-98	NR	100	ND	ND	ND	ND
	Mar-99	NR	100	ND	ND	ND	ND
	Oct-99	NR	100	ND	ND	ND	ND
	Apr-00	NR	100	ND	137(160)	ND	ND
	Sep-00	NR	100	ND	ND	ND	ND
	Mar-01	NR	100	ND	ND	ND	ND
	Oct-01	NR	100	ND	156	ND	ND
	Apr-02	NR	100	ND	ND	ND	ND
	Nov-02	NR	100	ND	ND	ND	ND
	May-03	NR	100	ND	ND	ND	ND
	Nov-03	NR	100	ND	ND	ND	ND
	May-04	NR	100	ND	ND	ND	ND
	Nov-04	NR	100	ND	ND	ND	ND
	May-05	NR	100	ND	ND	ND	ND
	Nov-05	NR	100	ND	ND	ND	ND
	29-Jun-06	NR	100	ND	ND	ND	ND
	20-Dec-06	NR	100	ND	ND	ND	ND
	28-Jun-07	1.2	100	ND	ND	ND	ND
NC 2L = 700 µg/L (10/23/07)	27-Dec-07	1.2	100	2.7	B 2.8	B ND (2.4 B)	2.9
NC 2B = NE (05/01/07)	28-Apr-08	1.2	100	11.0	J ND	ND (ND)	ND
	08-Dec-08	1.2	100	1.3	J ND	ND (ND)	ND
NC 2L = 6,000 µg/L (01/01/10)	24-Jun-09	1.2	100	ND	ND (ND)	ND	ND
	15-Dec-09	1.2	100	ND	ND	ND (ND)	ND
	22-Jun-10	1.2	100	ND	ND (ND)	ND	ND
	02-Nov-10	1.2	100	ND	ND	ND (ND)	ND
	11-Apr-11	2.2	100	ND	ND	ND	ND
	17-Oct-11	2.2	100	2.5	B ND	ND	2.6
	09-Apr-12	2.2	100	ND	ND	ND	2.3
	15-Oct-12	10.0	100	ND	ND	ND	B 6.0
	15-Apr-13	10.0	100	ND	ND	ND	J 70.2
	07-Oct-13	10.0	100	ND	ND	ND	ND
	28-Apr-14	10.0	100	ND	ND	ND	ND

TABLE 1**Summary of Historically Detected Constituents**

Analyte	Sample		DL	QL	MW-1	MW-2	MW-3	Upstream	Downstream	Blanks
	Collection Date									
Benzene	Sep-93	NR	5	ND	ND	ND	ND	ND	ND	ND
	Oct-94	NR	5	8	ND	ND	ND	ND	ND	ND
	Apr-95	NR	5	ND	ND	ND	ND	ND	ND	ND
	Nov-95	NR	5	ND	ND	ND	ND	ND	ND	ND
	May-96	NR	5	ND	ND	ND	ND	ND	ND	ND
	Nov-96	NR	5	ND	ND	ND	ND	ND	ND	ND
	Mar-97	NR	5	ND	ND	ND	ND	ND	ND	ND
	Sep-97	NR	5	ND	ND	ND	ND	ND	ND	ND
	Mar-98	NR	5	ND	ND	ND	ND	ND	ND	ND
	Sep-98	NR	5	ND	ND	ND	ND	ND	ND	ND
	Mar-99	NR	5	ND	ND	ND	ND	ND	ND	ND
	Sep-99	NR	5	ND	ND	ND	ND	ND	ND	ND
	Apr-00	NR	5	21	ND	ND	ND	ND	ND	ND
	Sep-00	NR	5	ND	ND	ND	ND	ND	ND	ND
	Mar-01	NR	5	ND	ND	ND	ND	ND	ND	ND
	Oct-01	NR	5	5.4	ND	ND	ND	ND	ND	ND
	Apr-02	NR	5	ND	ND	ND	ND	ND	ND	ND
	Nov-02	NR	5	ND	ND	ND	ND	ND	ND	ND
	May-03	NR	5	ND	ND	ND	ND	ND	ND	ND
	Nov-03	NR	5	ND	ND	ND	ND	ND	ND	ND
	May-04	NR	5	ND	ND	ND	ND	ND	ND	ND
	Nov-04	NR	5	ND	ND	ND	ND	ND	ND	ND
	May-05	NR	5	ND	ND	ND	ND	ND	ND	ND
	Nov-05	NR	5	ND	ND	ND	ND	ND	ND	ND
	29-Jun-06	NR	5	ND	ND	ND	ND	ND	ND	ND
	20-Dec-06	NR	5	3.3	J	ND	ND	ND	ND	ND
	28-Jun-07	0.1	1.0	3.4		0.5 J 0.7 J (0.7 J)		ND	ND	ND
NC 2L = 1 µg/L (10/23/07)	27-Dec-07	0.1	1.0	2.3		0.4 J ND (ND)		ND	ND	ND
NC 2B = NE (05/01/07)	28-Apr-08	0.1	1.0	2.7		ND ND (ND)		ND	ND	ND
	08-Dec-08	0.1	1.0	2.1		ND ND (ND)		ND	ND	ND
	24-Jun-09	0.1	1.0	0.9	J	0.3 (ND) J ND		ND	ND	ND
	15-Dec-09	0.1	1.0	2.0		0.2 J ND (ND)		ND	ND	ND
	22-Jun-10	0.1	1.0	1.7		0.8 (0.7 J) J 0.2 J		ND	ND	ND
	02-Nov-10	0.1	1.0	1.3		ND ND (ND)		ND	ND	ND
	11-Apr-11	0.25	1.0	2.3		0.43 J 0.42 J		ND	ND	ND
	17-Oct-11	0.25	1.0	2.0		0.44 J 0.44 J		ND	ND	ND
	09-Apr-12	0.25	1.0	2.2		ND ND		ND	ND	ND
	15-Oct-12	0.25	1.0	2.4		ND ND		ND	ND	ND
	15-Apr-13	0.25	1.0	2.0		0.62 J ND		ND	ND	ND
	07-Oct-13	0.25	1.0	ND		0.88 J 0.33 J		ND	ND	ND
	28-Apr-14	0.25	1.0	2.5		0.99 J ND		ND	ND	ND

TABLE 1**Summary of Historically Detected Constituents**

Analyte	Sample		DL	QL	MW-1	MW-2	MW-3	Upstream	Downstream	Blanks
	Collection Date									
Carbon Disulfide	Sep-93	NR	100	ND	ND	ND	ND	ND	ND	ND
	Oct-94	NR	100	ND	ND	ND	ND	ND	ND	ND
	Apr-95	NR	100	ND	ND	ND	ND	ND	ND	ND
	Nov-95	NR	100	ND	ND	ND	ND	ND	ND	ND
	May-96	NR	100	ND	ND	ND	ND	ND	ND	ND
	Nov-96	NR	100	ND	ND	ND	ND	ND	ND	ND
	Mar-97	NR	100	ND	14.9	ND	ND	ND	ND	ND
	Sep-97	NR	100	ND	ND	ND	ND	ND	ND	ND
	Mar-98	NR	100	ND	ND	ND	ND	ND	ND	ND
	Sep-98	NR	100	ND	ND	ND	ND	ND	ND	ND
	Mar-99	NR	100	ND	ND	ND	ND	ND	ND	ND
	Sep-99	NR	100	ND	ND	ND	ND	ND	ND	ND
	Apr-00	NR	100	ND	ND	ND	ND	ND	ND	ND
	Sep-00	NR	100	ND	ND	ND	ND	ND	ND	ND
	Mar-01	NR	100	ND	ND	ND	ND	ND	ND	ND
	Oct-01	NR	100	ND	ND	ND	ND	ND	ND	ND
	Apr-02	NR	100	ND	ND	ND	ND	ND	ND	ND
	Nov-02	NR	100	ND	ND	ND	ND	ND	ND	ND
	May-03	NR	100	ND	ND	ND	ND	ND	ND	ND
	Nov-03	NR	100	ND	ND	ND	ND	ND	ND	ND
	May-04	NR	100	ND	ND	ND	ND	ND	ND	ND
	Nov-04	NR	100	ND	ND	ND	ND	ND	ND	ND
	May-05	NR	100	ND	ND	ND	ND	ND	ND	ND
	Nov-05	NR	100	ND	ND	ND	ND	ND	ND	ND
	29-Jun-06	NR	100	ND	ND	ND	ND	ND	ND	ND
	20-Dec-06	NR	100	ND	ND	ND	ND	ND	ND	ND
	28-Jun-07	0.5	100	22.7	J	9.8	J 25.4 J (1.9 J)	ND	1.1	J
NC 2L = 700 µg/L (10/23/07)	27-Dec-07	0.5	100	2.9	J	3.0	J ND (ND)	ND	ND	ND
NC 2B = NE (05/01/07)	28-Apr-08	0.5	100	ND	ND	4.0	J ND (5.3 J)	ND	ND	ND
	08-Dec-08	0.5	100	7.4	J	0.7	J ND (ND)	ND	ND	ND
	24-Jun-09	0.5	100	ND	ND (ND)	ND	ND	ND	ND	ND
	15-Dec-09	0.5	100	ND	ND	1.6	J ND (ND)	ND	ND	ND
	22-Jun-10	0.5	100	ND	ND (ND)	ND	ND	ND	ND	ND
	02-Nov-10	0.5	100	ND	ND	ND	ND (ND)	ND	ND	ND
	11-Apr-11	1.2	100	ND	ND	ND	ND	ND	ND	ND
	17-Oct-11	1.2	100	ND	ND	ND	ND	ND	ND	ND
	09-Apr-12	1.2	100	ND	ND	ND	ND	ND	ND	ND
	15-Oct-12	1.2	100	ND	ND	ND	ND	ND	ND	ND
	15-Apr-13	1.2	100	ND	ND	ND	ND	ND	ND	ND
	07-Oct-13	1.2	100	ND	ND	ND	ND	ND	ND	ND
	28-Apr-14	1.2	100	ND	ND	ND	ND	ND	ND	ND

TABLE 1**Summary of Historically Detected Constituents**

Analyte	Sample		DL	QL	MW-1	MW-2	MW-3	Upstream	Downstream	Blanks
	Collection Date									
Chlorobenzene	Sep-93	NR	5	ND	ND	ND	ND	ND	ND	ND
	Oct-94	NR	5	ND	ND	ND	ND	ND	ND	ND
	Apr-95	NR	5	ND	ND	ND	ND	ND	ND	ND
	Nov-95	NR	5	ND	ND	ND	ND	ND	ND	ND
	May-96	NR	5	ND	ND	ND	ND	ND	ND	ND
	Nov-96	NR	5	ND	ND	ND	ND	ND	ND	ND
	Mar-97	NR	5	ND	ND	ND	ND	ND	ND	ND
	Sep-97	NR	5	ND	ND	ND	ND	ND	ND	ND
	Mar-98	NR	5	ND	ND	ND	ND	ND	ND	ND
	Sep-98	NR	5	ND	ND	ND	ND	ND	ND	ND
	Mar-99	NR	5	ND	ND	ND	ND	ND	ND	ND
	Sep-99	NR	5	ND	ND	ND	ND	ND	ND	ND
	Apr-00	NR	5	ND	ND	ND	ND	ND	ND	ND
	Sep-00	NR	5	ND	ND	ND	ND	ND	ND	ND
	Mar-01	NR	5	ND	ND	ND	ND	ND	ND	ND
	Oct-01	NR	5	ND	ND	ND	ND	ND	ND	ND
	Apr-02	NR	5	ND	ND	ND	ND	ND	ND	ND
	Nov-02	NR	5	ND	ND	ND	ND	ND	ND	ND
	May-03	NR	5	ND	5.0(5.6)	ND	ND	ND	ND	ND
	Nov-03	NR	5	ND		ND	ND	ND	ND	ND
	May-04	NR	5	ND	ND	ND	ND	ND	ND	ND
	Nov-04	NR	5	ND	ND	ND	ND	ND	ND	ND
	May-05	NR	5	ND	ND	ND	ND	ND	ND	ND
	Nov-05	NR	5	ND	ND	ND	ND	ND	ND	ND
	29-Jun-06	NR	5	ND	ND	ND	ND	ND	ND	ND
	20-Dec-06	NR	5	ND	1.7 J (1.5 J)	ND	ND	ND	ND	ND
	28-Jun-07	0.1	3.0	ND		2.1	J	ND	ND	ND
NC 2L = 50 µg/L (10/23/07)	27-Dec-07	0.1	3.0	0.4	J	1.7	J	ND (ND)	ND	ND
NC 2B = NE (05/01/07)	28-Apr-08	0.1	3.0	0.5	J	1.0	J	ND (0.9 J)	ND	ND
	08-Dec-08	0.1	3.0	0.3	J	ND	ND	(ND)	ND	ND
	24-Jun-09	0.1	3.0	ND	2.3 (2.0 J)	J	ND	ND	ND	ND
	15-Dec-09	0.1	3.0	ND		1.1	J	ND (ND)	ND	ND
	22-Jun-10	0.1	3.0	ND	2.4 (2.4 J)	J	ND	ND	ND	ND
	02-Nov-10	0.1	3.0	ND		1.1	J	ND (ND)	ND	ND
	11-Apr-11	0.23	3.0	0.31	J	2.4	J	0.46	J	ND
	17-Oct-11	0.23	3.0	0.33	J	2.1	J	0.47	J	ND
	09-Apr-12	0.23	3.0	0.32	B	0.91	B	0.24	B	ND
	15-Oct-12	0.23	3.0	0.29	J	1.6	J	0.28	J	ND
	15-Apr-13	0.23	3.0	0.29	J	2.5	J	ND	ND	ND
	07-Oct-13	0.23	3.0	0.26	J	2.8	J	0.26	J	ND
	28-Apr-14	0.23	3.0	0.35	J	2.8	J	ND	ND	ND

TABLE 1**Summary of Historically Detected Constituents**

Analyte	Sample Collection Date						Upstream	Downstream	Blanks
		DL	QL	MW-1	MW-2	MW-3			
Chloroethane	Sep-93	NR	NR	ND	ND	ND	ND	ND	ND
	Oct-94	NR	10	ND	ND	ND	ND	ND	ND
	Apr-95	NR	10	ND	ND	ND	ND	ND	ND
	Nov-95	NR	10	ND	ND	ND	ND	ND	ND
	May-96	NR	10	ND	ND	ND	ND	ND	ND
	Nov-96	NR	10	ND	ND	ND	ND	ND	ND
	Mar-97	NR	10	17	ND	ND	ND	ND	ND
	Sep-97	NR	10	36	ND	ND	ND	ND	ND
	Mar-98	NR	10	28	ND	ND	ND	ND	ND
	Sep-98	NR	10	26	ND	ND	ND	ND	ND
	Mar-99	NR	10	25	ND	ND	ND	ND	ND
	Sep-99	NR	10	27	ND	ND	ND	ND	ND
	Apr-00	NR	10	22	ND	ND	ND	ND	ND
	Sep-00	NR	10	ND	ND	ND	ND	ND	ND
	Mar-01	NR	10	23	ND	ND	ND	ND	ND
	Oct-01	NR	10	40	ND	ND	ND	ND	ND
	Apr-02	NR	10	16	ND	ND	ND	ND	ND
	Nov-02	NR	10	ND	ND	ND	ND	ND	ND
	May-03	NR	10	ND	ND	ND	ND	ND	ND
	Nov-03	NR	10	17	ND	ND	ND	ND	ND
	May-04	NR	10	14	ND	ND	ND	ND	ND
	Nov-04	NR	10	ND	ND	ND	ND	ND	ND
	May-05	NR	10	ND	ND	ND	ND	ND	ND
	Nov-05	NR	10	ND	ND	ND	ND	ND	ND
	29-Jun-06	NR	10	ND	ND	ND	ND	ND	ND
	20-Dec-06	NR	10	8.4	J	ND	ND	ND	ND
NC 2L = 2,800 µg/L (10/23/07) NC 2B = NE (05/01/07)	28-Jun-07	0.1	10.0	54.2		10.8	3.0 J (3.2 J)	ND	ND
	27-Dec-07	0.1	10.0	5.3	J	1.9	J 0.4 (0.3 J) J	ND	ND
	28-Apr-08	0.1	10.0	5.8	J	0.9	J ND (0.7 J)	ND	ND
NC 2L = 3,000 µg/L (01/01/10)	08-Dec-08	0.1	10.0	5.9	J	ND	0.3 (0.3 J) J	ND	ND
	24-Jun-09	0.1	10.0	ND		ND (ND)	ND	ND	ND
	15-Dec-09	0.1	10.0	4.3	J	0.9	J ND (ND)	ND	ND
	22-Jun-10	0.1	10.0	4.9	J	2.1 (1.9 J)	J 0.3 J	ND	ND
	02-Nov-10	0.1	10.0	2.5	J	0.4	J ND (ND)	ND	ND
	11-Apr-11	0.54	10.0	3.2	J	0.99	J ND	ND	ND
	17-Oct-11	0.54	10.0	3.0	J	0.89	J ND	ND	ND
	09-Apr-12	0.54	10.0	3.4	J	ND	ND	ND	ND
	15-Oct-12	0.54	10.0	3.8	J	0.62	J ND	ND	ND
	15-Apr-13	0.54	10.0	5.0	J	ND	ND	ND	ND
	07-Oct-13	0.54	10.0	4.2	J	0.80	J ND	ND	ND
	28-Apr-14	0.54	10.0	4.5	J	0.82	J ND	ND	ND
Chloromethane NC 2L = 3 µg/L (01/01/10) NC 2B = NE (05/01/07)	17-Oct-11	0.11	1.0	0.11	J	0.12	J ND	ND	ND
	09-Apr-12	0.11	1.0	ND		ND	ND	ND	ND
	15-Oct-12	0.11	1.0	ND		ND	ND	ND	ND
	15-Apr-13	0.11	1.0	ND		ND	ND	ND	ND
	07-Oct-13	0.11	1.0	ND		ND	ND	ND	ND
	28-Apr-14	0.11	1.0	ND		ND	ND	ND	ND

TABLE 1**Summary of Historically Detected Constituents**

Analyte	Sample		DL	QL	MW-1	MW-2	MW-3	Upstream	Downstream	Blanks
	Collection Date									
I,2-Dichlorobenzene	Sep-93	NR	5	ND	ND	ND	ND	ND	ND	ND
	Oct-94	NR	5	ND	ND	ND	ND	ND	ND	ND
	Apr-95	NR	5	ND	ND	ND	ND	ND	ND	ND
	Nov-95	NR	5	ND	ND	ND	ND	ND	ND	ND
	May-96	NR	5	ND	ND	ND	ND	ND	ND	ND
	Nov-96	NR	5	ND	ND	ND	ND	ND	ND	ND
	Mar-97	NR	5	ND	ND	ND	ND	ND	ND	ND
	Sep-97	NR	5	ND	ND	ND	ND	ND	ND	ND
	Mar-98	NR	5	ND	ND	ND	ND	ND	ND	ND
	Sep-98	NR	5	ND	ND	ND	ND	ND	ND	ND
	Mar-99	NR	5	ND	ND	ND	ND	ND	ND	ND
	Sep-99	NR	5	ND	ND	ND	ND	ND	ND	ND
	Apr-00	NR	5	ND	ND	ND	ND	ND	ND	ND
	Sep-00	NR	5	ND	ND	ND	ND	ND	ND	ND
	Mar-01	NR	5	ND	ND	ND	ND	ND	ND	ND
	Oct-01	NR	5	ND	ND	ND	ND	ND	ND	ND
	Apr-02	NR	5	ND	ND	ND	ND	ND	ND	ND
	Nov-02	NR	5	ND	ND	ND	ND	ND	ND	ND
	May-03	NR	5	ND	ND	ND	ND	ND	ND	ND
	Nov-03	NR	5	ND	ND	ND	ND	ND	ND	ND
	May-04	NR	5	ND	ND	ND	ND	ND	ND	ND
	Nov-04	NR	5	ND	5.0(5.3)	ND	ND	ND	ND	ND
	May-05	NR	5	ND	ND	ND	ND	ND	ND	ND
	Nov-05	NR	5	ND	ND	ND	ND	ND	ND	ND
	29-Jun-06	NR	5	ND	ND	ND	ND	ND	ND	ND
	20-Dec-06	NR	5	ND	ND	ND	ND	ND	ND	ND
	28-Jun-07	0.1	5.0	ND	1.3	J	ND	ND	ND	ND
NC 2L = 24 µg/L (10/23/07)	27-Dec-07	0.1	5.0	ND	1.1	J	ND (ND)	ND	ND	ND
NC 2B = NE (05/01/07)	28-Apr-08	0.1	5.0	ND	0.5	J	ND (0.5 J)	ND	ND	ND
	08-Dec-08	0.1	5.0	ND	ND	ND	(ND (ND))	ND	ND	ND
	24-Jun-09	0.1	5.0	ND	0.5 (0.4 J)	J	ND	ND	ND	ND
	15-Dec-09	0.1	5.0	ND	0.7	J	ND (ND)	ND	ND	ND
NC 2L = 20 µg/L (01/01/10)	22-Jun-10	0.1	5.0	ND	1.7 (1.7 J)	J	ND	ND	ND	ND
	02-Nov-10	0.1	5.0	ND	0.6	J	ND (ND)	ND	ND	ND
	11-Apr-11	0.30	5.0	ND	1.1	J	ND	ND	ND	ND
	17-Oct-11	0.30	5.0	ND	1.1	J	ND	ND	ND	ND
	09-Apr-12	0.30	5.0	ND	0.43	J	ND	ND	ND	ND
	15-Oct-12	0.30	5.0	ND	0.99	J	ND	ND	ND	ND
	15-Apr-13	0.30	5.0	ND	0.65	J	ND	ND	ND	ND
	07-Oct-13	0.30	5.0	ND	1.3	J	ND	ND	ND	ND
	28-Apr-14	0.30	5.0	ND	1.2	J	ND	ND	ND	ND

TABLE 1

Summary of Historically Detected Constituents

Analyte	Sample Collection Date						Upstream	Downstream	Blanks
		DL	QL	MW-1	MW-2	MW-3			
1,4-Dichlorobenzene	Sep-93	NR	NR	NS	NS	NS	NS	NS	NA
	Oct-94	NR	5	ND	10	14	ND	ND	ND
	Apr-95	NR	5	ND	ND	ND	ND	ND	ND
	Nov-95	NR	5	5	16	ND	ND	ND	ND
	May-96	NR	5	ND	ND	ND	ND	ND	ND
	Nov-96	NR	5	ND	ND	5	ND	ND	ND
	Mar-97	NR	5	ND	5	ND	ND	ND	ND
	Sep-97	NR	5	ND	ND	ND	ND	ND	ND
	Mar-98	NR	5	ND	ND	ND	ND	ND	ND
	Sep-98	NR	5	ND	ND	ND	ND	ND	ND
	Mar-99	NR	5	ND	ND	ND	ND	ND	ND
	Sep-99	NR	5	ND	6.8	ND	ND	ND	ND
	Apr-00	NR	5	ND	ND	ND	ND	ND	ND
	Sep-00	NR	5	ND	ND	ND	ND	ND	ND
	Mar-01	NR	5	ND	ND	ND	ND	ND	ND
	Oct-01	NR	5	ND	7.3	ND	ND	ND	ND
	Apr-02	NR	5	ND	ND	ND	ND	ND	ND
	Nov-02	NR	5	ND	ND	ND	ND	ND	ND
	May-03	NR	5	ND	5.4(5.5)	ND	ND	ND	ND
	Nov-03	NR	5	ND	7.5	ND	ND	ND	ND
	May-04	NR	5	ND	9.5(5.0)	ND	ND	ND	ND
	Nov-04	NR	5	ND	ND	ND	ND	ND	ND
	May-05	NR	5	6.5	5.0(6.3)	6.5	ND	ND	ND
	Nov-05	NR	5	ND	ND	ND	ND	ND	ND
	29-Jun-06	NR	5	ND	6.4	5.7	ND	ND	ND
	20-Dec-06	NR	5	4.6	J 4.3 J (3.8 J)	4.2	J	ND	ND
NC 2L = 1.4 µg/L (10/23/07)	28-Jun-07	0.1	1.0	3.8	5.5	4.7 (5.2)		ND	ND
	27-Dec-07	0.1	1.0	4.6	5.1	1.9 (1.8)		ND	ND
NC 2B = NE (05/01/07)	28-Apr-08	0.1	1.0	5.2	2.2	2.7 (2.2)		ND	ND
	08-Dec-08	0.1	1.0	5.0	1.1	1.8 (1.8)		ND	ND
NC 2L = 6 µg/L (01/01/10)	24-Jun-09	0.1	1.0	2.1	2.6 (2.2)	1.1		ND	ND
	15-Dec-09	0.1	1.0	2.7	3.3	ND (ND)		ND	ND
	22-Jun-10	0.1	1.0	1.9	8.0 (7.8)	2.4		ND	ND
	02-Nov-10	0.1	1.0	2.2	3.3	0.6 (0.6 J)	J	ND	ND
	11-Apr-11	0.33	1.0	ND	ND	ND		ND	ND
	17-Oct-11	0.33	1.0	3.3	7.1	4.1		ND	ND
	09-Apr-12	0.33	1.0	2.5	2.6	2.4		ND	ND
	15-Oct-12	0.33	1.0	1.8	5.3	2.0		ND	ND
	15-Apr-13	0.33	1.0	3.3	4.9	1.7		ND	ND
	07-Oct-13	0.33	1.0	2.5	8.5	4.7		ND	ND
	28-Apr-14	0.33	1.0	3.3	8.2	4.0		ND	ND

TABLE 1**Summary of Historically Detected Constituents**

Analyte	Collection Date	Sample		MW-1	MW-2	MW-3	Upstream	Downstream	Blanks
		DL	QL						
1,1-Dichloroethane	Sep-93	NR	NR	ND	ND	ND	ND	ND	ND
	Oct-94	NR	5	35	22	ND	ND	ND	ND
	Apr-95	NR	5	15	10	ND	ND	ND	ND
	Nov-95	NR	5	14	9	ND	ND	ND	ND
	May-96	NR	5	11	ND	ND	ND	ND	ND
	Nov-96	NR	5	11	6	ND	ND	ND	ND
	Mar-97	NR	5	ND	ND	ND	ND	ND	ND
	Sep-97	NR	5	9	ND	ND	ND	ND	ND
	Mar-98	NR	5	5	ND	ND	ND	ND	ND
	Sep-98	NR	5	5	ND	ND	ND	ND	ND
	Mar-99	NR	5	ND	ND	ND	ND	ND	ND
	Sep-99	NR	5	ND	ND	ND	ND	ND	ND
	Apr-00	NR	5	ND	ND	ND	ND	ND	ND
	Sep-00	NR	5	ND	ND	ND	ND	ND	ND
	Mar-01	NR	5	ND	ND	ND	ND	ND	ND
	Oct-01	NR	5	5.7	ND	ND	ND	ND	ND
	Apr-02	NR	5	ND	ND	ND	ND	ND	ND
	Nov-02	NR	5	ND	ND	ND	ND	ND	ND
	May-03	NR	5	ND	ND	ND	ND	ND	ND
	Nov-03	NR	5	5.7	ND	ND	ND	ND	ND
	May-04	NR	5	6.3	ND	ND	ND	ND	ND
	Nov-04	NR	5	ND	ND	ND	ND	ND	ND
	May-05	NR	5	ND	ND	ND	ND	ND	ND
	Nov-05	NR	5	ND	ND	ND	ND	ND	ND
	29-Jun-06	NR	5	ND	ND	ND	ND	ND	ND
	20-Dec-06	NR	5	1.6	J	ND	ND	ND	ND
	28-Jun-07	0.2	5.0	2.5	J	ND	0.8 J (0.9 J)	ND	ND
NC 2L = 70 µg/L (10/23/07)	27-Dec-07	0.2	5.0	1.3	J	0.3	J 0.5 (0.5 J)	J	ND
	28-Apr-08	0.2	5.0	1.5	J	ND	0.7 (ND)	J	ND
NC 2B = NE (05/01/07)	08-Dec-08	0.2	5.0	1.3	J	0.3	J 0.5 (0.6 J)	J	ND
	24-Jun-09	0.2	5.0	0.7	J	ND (ND)	ND	ND	ND
	15-Dec-09	0.2	5.0	1.6	J	ND	ND (ND)	ND	ND
	22-Jun-10	0.2	5.0	ND	0.4 (0.4 J)	J	0.3	J	ND
	02-Nov-10	0.2	5.0	0.7	J	ND	ND (ND)	ND	ND
	11-Apr-11	0.32	5.0	ND	ND	ND	0.57	J	ND
	17-Oct-11	0.32	5.0	1.2	J	ND	0.57	J	ND
	09-Apr-12	0.32	5.0	1.6	J	ND	ND	ND	ND
	15-Oct-12	0.32	5.0	1.9	J	ND	ND	ND	ND
	15-Apr-13	0.32	5.0	0.69	J	ND	ND	ND	ND
	07-Oct-13	0.32	5.0	1.1	J	ND	ND	ND	ND
	28-Apr-14	0.32	5.0	0.82	J	ND	ND	ND	ND

TABLE 1**Summary of Historically Detected Constituents**

Analyte	Sample Collection Date						Upstream	Downstream	Blanks
		DL	QL	MW-1	MW-2	MW-3			
Cis-1,2-Dichloroethene	Oct-94	NR	5	12	14	11	ND	ND	ND
	Apr-95	NR	5	6	ND	ND	ND	ND	ND
	Nov-95	NR	5	7	ND	ND	ND	ND	ND
	May-96	NR	5	8	5	ND	ND	ND	ND
	Nov-96	NR	5	7	ND	ND	ND	ND	ND
	Mar-97	NR	5	9	7	ND	ND	ND	ND
	Sep-97	NR	5	9	7	ND	ND	ND	ND
	Mar-98	NR	5	10	8	ND	ND	ND	ND
	Sep-98	NR	5	9	7	ND	ND	ND	ND
	Mar-99	NR	5	12	6(8)	ND	ND	ND	ND
	Sep-99	NR	5	16	9.2	ND	ND	ND	ND
	Apr-00	NR	5	13	ND	ND	ND	ND	ND
	Sep-00	NR	5	ND	ND	ND	ND	ND	ND
	Mar-01	NR	5	18	ND	ND	ND	ND	ND
	Oct-01	NR	5	24	12	ND	ND	ND	ND
	Apr-02	NR	5	18	ND	ND	ND	ND	ND
	Nov-02	NR	5	23	ND	ND	ND	ND	ND
	May-03	NR	5	7.9	5.6(6.7)	ND	ND	ND	ND
	Nov-03	NR	5	10	7.8	ND	ND	ND	ND
	May-04	NR	5	12	6.5(5.3)	ND	ND	ND	ND
	Nov-04	NR	5	11	ND	ND	ND	ND	ND
	May-05	NR	5	8.2	5.7(7.3)	ND	ND	ND	ND
	Nov-05	NR	5	14	7.4	ND	ND	ND	ND
	29-Jun-06	NR	5	10(10)	ND	ND	ND	ND	ND
NC 2L = 70 µg/L (10/23/07) NC 2B = NE (05/01/07)	20-Dec-06	NR	5	17	4.4 J(4.1 J)	2.1 J	ND	ND	ND
	28-Jun-07	0.1	5.0	16.1	6.2	3.0 J (3.2 J)	ND	ND	ND
	27-Dec-07	0.1	5.0	11.9	5.3	1.8 (1.6 J) J	ND	ND	ND
	28-Apr-08	0.1	5.0	13.0	2.4	J 1.9 (2.2 J) J	ND	ND	ND
	08-Dec-08	0.1	5.0	10.9	1.0	J 1.6 (1.5 J) J	ND	ND	ND
	24-Jun-09	0.1	5.0	5.2	2.0 (1.7 J) J	0.6 J	ND	ND	ND
	15-Dec-09	0.1	5.0	8.7	3.0 J ND (0.3 J)	ND	ND	ND	ND
	22-Jun-10	0.1	5.0	8.0	6.4 (6.2)	1.2 J	ND	ND	ND
	02-Nov-10	0.1	5.0	6.6	2.3 J 0.4 (0.4 J)	J	ND	ND	ND
	11-Apr-11	0.19	5.0	10.8	4.5 J	2.0 J	ND	ND	ND
	17-Oct-11	0.19	5.0	9.7	5.1 J	2.6 J	ND	ND	ND
	09-Apr-12	0.19	5.0	11.2	1.8 J	1.3 J	ND	ND	ND
	15-Oct-12	0.19	5.0	11.1	3.8 J	1.3 J	ND	ND	ND
	15-Apr-13	0.19	5.0	8.5	2.6 J	0.89 J	ND	ND	ND
	07-Oct-13	0.19	5.0	9.3	4.9 J	1.8 J	ND	ND	ND
	28-Apr-14	0.19	5.0	8.3	3.6 J	1.1 J	ND	ND	ND

TABLE 1**Summary of Historically Detected Constituents**

Analyte	Sample Collection Date						Upstream	Downstream	Blanks
		DL	QL	MW-1	MW-2	MW-3			
Methylene Chloride (Dichloromethane)	Sep-93	NR	NR	40	ND	23	ND	ND	ND
	Oct-94	NR	10	98	ND	32	ND	ND	ND
	Apr-95	NR	10	36	ND	11	ND	ND	ND
	Nov-95	NR	10	13	ND	ND	ND	ND	ND
	May-96	NR	10	22	ND	ND	ND	ND	ND
	Nov-96	NR	10	ND	ND	ND	ND	ND	ND
	Mar-97	NR	10	15	ND	ND	ND	ND	ND
	Sep-97	NR	10	27	ND	ND	ND	ND	ND
	Mar-98	NR	10	21	ND	ND	ND	ND	ND
	Sep-98	NR	10	17	ND	ND	ND	ND	ND
	Mar-99	NR	10	15	ND	ND	ND	ND	ND
	Sep-99	NR	10	16	ND	ND	ND	ND	ND
	Apr-00	NR	10	12	ND	ND	ND	ND	ND
	Sep-00	NR	10	ND	ND	ND	ND	ND	ND
	Mar-01	NR	10	17	ND	ND	ND	ND	ND
	Oct-01	NR	10	17	ND	ND	ND	ND	ND
	Apr-02	NR	10	13	ND	ND	ND	ND	ND
	Nov-02	NR	10	ND	ND	ND	ND	ND	ND
	May-03	NR	10	ND	ND	ND	ND	ND	ND
	Nov-03	NR	10	17	ND	ND	ND	ND	ND
	May-04	NR	10	16	ND	ND	ND	ND	ND
	Nov-04	NR	10	ND	ND	ND	ND	ND	ND
	May-05	NR	10	ND	ND	ND	ND	ND	ND
	Nov-05	NR	10	ND	ND	ND	ND	ND	ND
	29-Jun-06	NR	10	ND	ND	ND	ND	ND	ND
	20-Dec-06	NR	5	ND	1.4 J (ND)	ND	ND	ND	ND
	28-Jun-07	0.6	1.0	ND	ND	ND	ND	ND	ND
NC 2L = 4.6 µg/L (10/23/07) NC 2B = NE (05/01/07)	27-Dec-07	0.6	1.0	2.3	B	ND	ND (ND)	ND	ND
	28-Apr-08	0.6	1.0	1.8		ND	ND (ND)	ND	ND
NC 2L = 5 µg/L (01/01/10)	08-Dec-08	0.6	1.0	1.4		ND	ND (ND)	ND	ND
	24-Jun-09	0.6	1.0	ND		ND (ND)	ND	ND	ND
	15-Dec-09	0.6	1.0	ND		ND	ND (ND)	ND	ND
	22-Jun-10	0.6	1.0	ND		ND (ND)	ND	ND	ND
	02-Nov-10	0.6	1.0	ND		ND	ND (ND)	ND	ND
	11-Apr-11	0.97	1.0	ND		ND	ND	ND	ND
	17-Oct-11	0.97	1.0	ND		ND	ND	ND	ND
	09-Apr-12	0.97	1.0	ND		ND	ND	ND	ND
	15-Oct-12	0.97	1.0	ND		ND	ND	ND	ND
	15-Apr-13	0.97	1.0	ND		ND	ND	ND	ND
	07-Oct-13	0.97	1.0	ND		ND	ND	ND	1.4
	28-Apr-14	0.97	1.0	ND		ND	ND	ND	ND

TABLE 1**Summary of Historically Detected Constituents**

Analyte	Sample Collection Date						Upstream	Downstream	Blanks
		DL	QL	MW-1	MW-2	MW-3			
Tetrachloroethene	Sep-93	NR	NR	ND	ND	ND	ND	ND	ND
	Oct-94	NR	5	5	ND	ND	ND	ND	ND
	Apr-95	NR	5	ND	ND	ND	ND	ND	ND
	Nov-95	NR	5	6	ND	ND	ND	ND	ND
	May-96	NR	5	ND	ND	ND	ND	ND	ND
	Nov-96	NR	5	ND	ND	ND	ND	ND	ND
	Mar-97	NR	5	ND	ND	ND	ND	ND	ND
	Sep-97	NR	5	ND	ND	ND	ND	ND	ND
	Mar-98	NR	5	ND	ND	ND	ND	ND	ND
	Sep-98	NR	5	ND	ND	ND	ND	ND	ND
	Mar-99	NR	5	ND	ND	ND	ND	ND	ND
	Sep-99	NR	5	ND	ND	ND	ND	ND	ND
	Apr-00	NR	5	ND	ND	ND	ND	ND	ND
	Sep-00	NR	5	ND	ND	ND	ND	ND	ND
	Mar-01	NR	5	ND	ND	ND	ND	ND	ND
	Oct-01	NR	5	ND	ND	ND	ND	ND	ND
	Apr-02	NR	5	ND	ND	ND	ND	ND	ND
	Nov-02	NR	5	ND	ND	ND	ND	ND	ND
	May-03	NR	5	ND	ND	ND	ND	ND	ND
	Nov-03	NR	5	ND	ND	ND	ND	ND	ND
	May-04	NR	5	ND	ND	ND	ND	ND	ND
	Nov-04	NR	5	ND	ND	ND	ND	ND	ND
	May-05	NR	5	ND	ND	ND	ND	ND	ND
	Nov-05	NR	5	ND	ND	ND	ND	ND	ND
	26-Jun-06	NR	5	ND	ND	ND	ND	ND	ND
	20-Dec-06	NR	5	ND	ND	ND	ND	ND	ND
	28-Jun-07	0.2	1.0	0.9	J	ND	ND	ND	ND
NC 2L = 0.7 µg/L (10/23/07)	27-Dec-07	0.2	1.0	0.3	J	ND (ND)	ND	ND	ND
NC 2B = NE (05/01/07)	28-Apr-08	0.2	1.0	0.4	J	ND (ND)	ND	ND	ND
	08-Dec-08	0.2	1.0	ND	ND	ND (ND)	ND	ND	ND
	24-Jun-09	0.2	1.0	ND	ND (ND)	ND	ND	ND	ND
	15-Dec-09	0.2	1.0	0.4	J	ND (ND)	ND	ND	ND
	22-Jun-10	0.2	1.0	0.4	J	ND (ND)	ND	ND	ND
	02-Nov-10	0.2	1.0	ND	ND	ND (ND)	ND	ND	ND
	11-Apr-11	0.46	1.0	0.75	J	ND	ND	ND	ND
	17-Oct-11	0.46	1.0	0.59	J	ND	ND	ND	ND
	09-Apr-12	0.46	1.0	0.70	J	ND	ND	ND	ND
	15-Oct-12	0.46	1.0	0.67	J	ND	ND	ND	ND
	15-Apr-13	0.46	1.0	ND	ND	ND	ND	ND	ND
	07-Oct-13	0.46	1.0	0.57	J	ND	ND	ND	ND
	28-Apr-14	0.46	1.0	ND	ND	ND	ND	ND	ND

TABLE 1**Summary of Historically Detected Constituents**

Analyte	Sample	Collection Date	DL	QL	MW-1	MW-2	MW-3	Upstream	Downstream	Blanks
Toluene	Sep-93	NR	NR	ND	ND	ND	ND	ND	ND	ND
	Oct-94	NR	5	ND	ND	ND	ND	ND	ND	ND
	Apr-95	NR	5	ND	ND	ND	ND	ND	ND	ND
	Nov-95	NR	5	ND	57	ND	ND	ND	ND	ND
	May-96	NR	5	ND	ND	ND	ND	ND	ND	ND
	Nov-96	NR	5	ND	ND	ND	ND	ND	ND	ND
	Mar-97	NR	5	ND	ND	ND	ND	ND	ND	ND
	Sep-97	NR	5	ND	ND	ND	ND	ND	ND	ND
	Mar-98	NR	5	ND	ND	ND	ND	ND	ND	ND
	Sep-98	NR	5	ND	ND	ND	ND	ND	ND	ND
	DUP	NR	5	NS	NS	ND	NS	NS	NS	NS
	Mar-99	NR	5	ND	ND	ND	ND	ND	ND	ND
	DUP	NR	5	NS	ND	NS	NS	NS	NS	NS
	Sep-99	NR	5	ND	ND	ND	ND	ND	ND	ND
	Apr-00	NR	5	ND	ND	ND	ND	ND	ND	ND
	Sep-00	NR	5	ND	ND	ND	ND	ND	ND	ND
	Mar-01	NR	5	ND	ND	ND	ND	ND	ND	ND
	Oct-01	NR	5	ND	ND	ND	ND	ND	ND	ND
	Apr-02	NR	5	ND	23	ND	ND	ND	ND	ND
	Nov-02	NR	5	ND	ND	ND	ND	ND	ND	ND
	May-03	NR	5	ND	10(6.9)	ND	ND	ND	ND	ND
	Nov-03	NR	5	ND	ND	ND	ND	ND	ND	ND
	May-04	NR	5	ND	ND	ND	ND	ND	ND	ND
	Nov-04	NR	5	ND	ND	ND	ND	ND	ND	ND
	May-05	NR	5	ND	ND	ND	ND	ND	ND	ND
	Nov-05	NR	5	ND	ND	ND	ND	ND	ND	ND
	29-Jun-06	NR	5	ND	ND	ND	ND	ND	ND	ND
	20-Dec-06	NR	5	ND	ND	ND	ND	ND	ND	ND
	28-Jun-07	0.3	1.0	ND	ND	ND	ND	ND	ND	ND
NC 2L = 1,000 µg/L (10/23/07)	27-Dec-07	0.3	1.0	ND	ND	ND (ND)	ND	ND	ND	ND
NC 2B = 11 µg/L (05/01/07)	28-Apr-08	0.3	1.0	ND	ND	ND (ND)	ND	ND	ND	ND
	08-Dec-08	0.3	1.0	ND	ND	ND (ND)	ND	ND	ND	ND
	24-Jun-09	0.3	1.0	ND	ND (ND)	ND	ND	ND	ND	ND
	15-Dec-09	0.3	1.0	ND	ND	ND (ND)	ND	ND	ND	ND
NC 2L = 600 µg/L (01/01/10)	22-Jun-10	0.3	1.0	ND	ND (ND)	ND	ND	ND	ND	ND
	02-Nov-10	0.3	1.0	ND	ND	ND (ND)	ND	ND	ND	ND
	11-Apr-11	0.26	1.0	ND	ND	ND	ND	ND	ND	ND
	17-Oct-11	0.26	1.0	ND	ND	ND	ND	ND	ND	ND
	09-Apr-12	0.26	1.0	ND	ND	ND	ND	ND	ND	ND
	15-Oct-12	0.26	1.0	ND	ND	ND	ND	ND	ND	ND
	15-Apr-13	0.26	1.0	ND	ND	ND	ND	ND	ND	ND
	07-Oct-13	0.26	1.0	ND	ND	ND	ND	ND	ND	ND
	28-Apr-14	0.26	1.0	ND	ND	ND	ND	ND	ND	ND

TABLE 1**Summary of Historically Detected Constituents**

Analyte	Sample Collection Date						Upstream	Downstream	Blanks
		DL	QL	MW-1	MW-2	MW-3			
I,1,1-Trichloroethane	Sep-93	NR	NR	ND	ND	ND	ND	ND	ND
	Oct-94	NR	5	6	ND	ND	ND	ND	ND
	Apr-95	NR	5	ND	ND	ND	ND	ND	ND
	Nov-95	NR	5	ND	ND	ND	ND	ND	ND
	May-96	NR	5	ND	ND	ND	ND	ND	ND
	Nov-96	NR	5	ND	ND	ND	ND	ND	ND
	Mar-97	NR	5	ND	ND	ND	ND	ND	ND
	Sep-97	NR	5	ND	ND	ND	ND	ND	ND
	Mar-98	NR	5	ND	ND	ND	ND	ND	ND
	Sep-98	NR	5	ND	ND	ND	ND	ND	ND
	Mar-99	NR	5	ND	ND	ND	ND	ND	ND
	Sep-99	NR	5	ND	ND	ND	ND	ND	ND
	Apr-00	NR	5	ND	ND	ND	ND	ND	ND
	Sep-00	NR	5	ND	ND	ND	ND	ND	ND
	Mar-01	NR	5	ND	ND	ND	ND	ND	ND
	Oct-01	NR	5	ND	ND	ND	ND	ND	ND
	Apr-02	NR	5	ND	ND	ND	ND	ND	ND
	Nov-02	NR	5	ND	ND	ND	ND	ND	ND
	May-03	NR	5	ND	ND	ND	ND	ND	ND
	Nov-03	NR	5	ND	ND	ND	ND	ND	ND
	May-04	NR	5	ND	ND	ND	ND	ND	ND
	Nov-04	NR	5	ND	ND	ND	ND	ND	ND
	May-05	NR	5	ND	ND	ND	ND	ND	ND
	Nov-05	NR	5	ND	ND	ND	ND	ND	ND
	26-Jun-06	NR	5	ND	ND	ND	ND	ND	ND
	20-Dec-06	NR	5	ND	ND	ND	ND	ND	ND
	28-Jun-07	0.1	1.0	ND	ND	ND	ND	ND	ND
NC 2L = 200 µg/L (10/23/07)	27-Dec-07	0.1	1.0	ND	ND	ND (ND)	ND	ND	ND
NC 2B = NE (05/01/07)	28-Apr-08	0.1	1.0	ND	ND	ND (ND)	ND	ND	ND
	08-Dec-08	0.1	1.0	ND	ND	ND (ND)	ND	ND	ND
	24-Jun-09	0.1	1.0	ND	ND (ND)	ND	ND	ND	ND
	15-Dec-09	0.1	1.0	ND	ND	ND (ND)	ND	ND	ND
	22-Jun-10	0.1	1.0	ND	ND (ND)	ND	ND	ND	ND
	02-Nov-10	0.1	1.0	ND	ND	ND (ND)	ND	ND	ND
	11-Apr-11	0.48	1.0	ND	ND	ND	ND	ND	ND
	17-Oct-11	0.48	1.0	ND	ND	ND	ND	ND	ND
	09-Apr-12	0.48	1.0	ND	ND	ND	ND	ND	ND
	15-Oct-12	0.48	1.0	ND	ND	ND	ND	ND	ND
	15-Apr-13	0.48	1.0	ND	ND	ND	ND	ND	ND
	07-Oct-13	0.48	1.0	ND	ND	ND	ND	ND	ND
	28-Apr-14	0.48	1.0	ND	ND	ND	ND	ND	ND

TABLE 1**Summary of Historically Detected Constituents**

Analyte	Collection Date	Sample		MW-1	MW-2	MW-3	Upstream	Downstream	Blanks
		DL	QL						
Trichloroethene	Sep-93	NR	NR	ND	ND	ND	ND	ND	ND
	Oct-94	NR	5	ND	ND	ND	ND	ND	ND
	Apr-95	NR	5	ND	ND	ND	ND	ND	ND
	Nov-95	NR	5	9	8	ND	ND	ND	ND
	May-96	NR	5	ND	ND	ND	ND	ND	ND
	Nov-96	NR	5	ND	ND	ND	ND	ND	ND
	Mar-97	NR	5	ND	ND	ND	ND	ND	ND
	Sep-97	NR	5	ND	ND	ND	ND	ND	ND
	Mar-98	NR	5	ND	ND	ND	ND	ND	ND
	Sep-98	NR	5	ND	ND	ND	ND	ND	ND
	Mar-99	NR	5	ND	ND	ND	ND	ND	ND
	Sep-99	NR	5	ND	ND	ND	ND	ND	ND
	Apr-00	NR	5	ND	ND	ND	ND	ND	ND
	Sep-00	NR	5	ND	ND	ND	ND	ND	ND
	Mar-01	NR	5	ND	ND	ND	ND	ND	ND
	Oct-01	NR	5	ND	ND	ND	ND	ND	ND
	Apr-02	NR	5	ND	ND	ND	ND	ND	ND
	Nov-02	NR	5	ND	ND	ND	ND	ND	ND
	May-03	NR	5	ND	ND	ND	ND	ND	ND
	Nov-03	NR	5	6	ND	ND	ND	ND	ND
	May-04	NR	5	ND	ND	ND	ND	ND	ND
	Nov-04	NR	5	ND	ND	ND	ND	ND	ND
	May-05	NR	5	ND	ND	ND	ND	ND	ND
	Nov-05	NR	5	ND	ND	ND	ND	ND	ND
	29-Jun-06	NR	5	ND	ND	ND	ND	ND	ND
	20-Dec-06	NR	5	ND	ND	ND	ND	ND	ND
	28-Jun-07	0.1	1.0	1.5	ND	ND	ND	ND	ND
NC 2L = 2.8 µg/L (10/23/07)	27-Dec-07	0.1	1.0	0.7	J	ND	ND (ND)	ND	ND
	28-Apr-08	0.1	1.0	0.7	J	ND	ND (ND)	ND	ND
NC 2B = NE (05/01/07)	08-Dec-08	0.1	1.0	0.6	J	ND	ND (ND)	ND	ND
	24-Jun-09	0.1	1.0	0.4	J	ND (ND)	ND	ND	ND
	15-Dec-09	0.1	1.0	0.8	J	ND	ND (ND)	ND	ND
	22-Jun-10	0.1	1.0	0.7	J	ND (ND)	ND	ND	ND
	02-Nov-10	0.1	1.0	0.5	J	ND	ND (ND)	ND	ND
	11-Apr-11	0.47	1.0	1.0		ND	ND	ND	ND
	17-Oct-11	0.47	1.0	0.79	J	ND	ND	ND	ND
	09-Apr-12	0.47	1.0	1.1		ND	ND	ND	ND
	15-Oct-12	0.47	1.0	1.3		ND	ND	ND	ND
	15-Apr-13	0.47	1.0	0.63	J	ND	ND	ND	ND
	07-Oct-13	0.47	1.0	0.81	J	ND	ND	ND	ND
	28-Apr-14	0.47	1.0	0.87	J	ND	ND	ND	ND

TABLE 1**Summary of Historically Detected Constituents**

Analyte	Sample Collection Date			MW-1	MW-2		MW-3	Upstream	Downstream	Blanks
		DL	QL							
Vinyl Acetate GWPS = 7,000 µg/L (10/23/07) NC 2B = NE (05/01/07)	27-Dec-07	0.2	50.0	11.9	J	ND	ND (ND)	ND	ND	ND
	28-Apr-08	0.2	50.0	ND		ND	ND (ND)	ND	ND	ND
	08-Dec-08	0.2	50.0	ND		ND	ND (ND)	ND	ND	ND
	24-Jun-09	0.2	50.0	ND		ND (ND)	ND	ND	ND	ND
	15-Dec-09	0.2	50.0	ND		ND	ND (ND)	ND	ND	ND
	22-Jun-10	0.2	50.0	ND		ND (ND)	ND	ND	ND	ND
	02-Nov-10	0.2	50.0	ND		ND	ND (ND)	ND	ND	ND
	11-Apr-11	0.35	50.0	ND		ND	ND	ND	ND	ND
	17-Oct-11	0.35	50.0	ND		ND	ND	ND	ND	ND
	09-Apr-12	0.35	50.0	ND		ND	ND	ND	ND	ND
	15-Oct-12	0.35	50.0	ND		ND	ND	ND	ND	ND
	15-Apr-13	0.35	50.0	ND		ND	ND	ND	ND	ND
	07-Oct-13	0.35	50.0	ND		ND	ND	ND	ND	ND
	28-Apr-14	0.35	50.0	ND		ND	ND	ND	ND	ND
Vinyl Chloride NC 2L = 0.015 µg/L (10/23/07) NC 2B = NE (05/01/07)	28-Jun-07	0.1	1.0	1.9		0.5	J ND	ND	ND	ND
	27-Dec-07	0.1	1.0	0.8	J	0.3	J ND (ND)	ND	ND	ND
	28-Apr-08	0.1	1.0	ND		ND	ND (ND)	ND	ND	ND
	08-Dec-08	0.1	1.0	1.3		ND	ND (ND)	ND	ND	ND
	24-Jun-09	0.1	1.0	0.4	J	ND (ND)	ND	ND	ND	ND
	15-Dec-09	0.1	1.0	0.8	J	ND	ND (ND)	ND	ND	ND
	22-Jun-10	0.1	1.0	ND		ND (ND)	ND	ND	ND	ND
	02-Nov-10	0.1	1.0	0.6	J	ND	ND (ND)	ND	ND	ND
	11-Apr-11	0.62	1.0	0.92	J	ND	ND	ND	ND	ND
	17-Oct-11	0.62	1.0	1.0		ND	ND	ND	ND	ND
	09-Apr-12	0.62	1.0	1.6		ND	ND	ND	ND	ND
	15-Oct-12	0.62	1.0	1.7		ND	ND	ND	ND	ND
	15-Apr-13	0.62	1.0	1.4		ND	ND	ND	ND	ND
	07-Oct-13	0.62	1.0	1.7		ND	ND	ND	ND	ND
	28-Apr-14	0.62	1.0	1.4		ND	ND	ND	ND	ND

TABLE 1

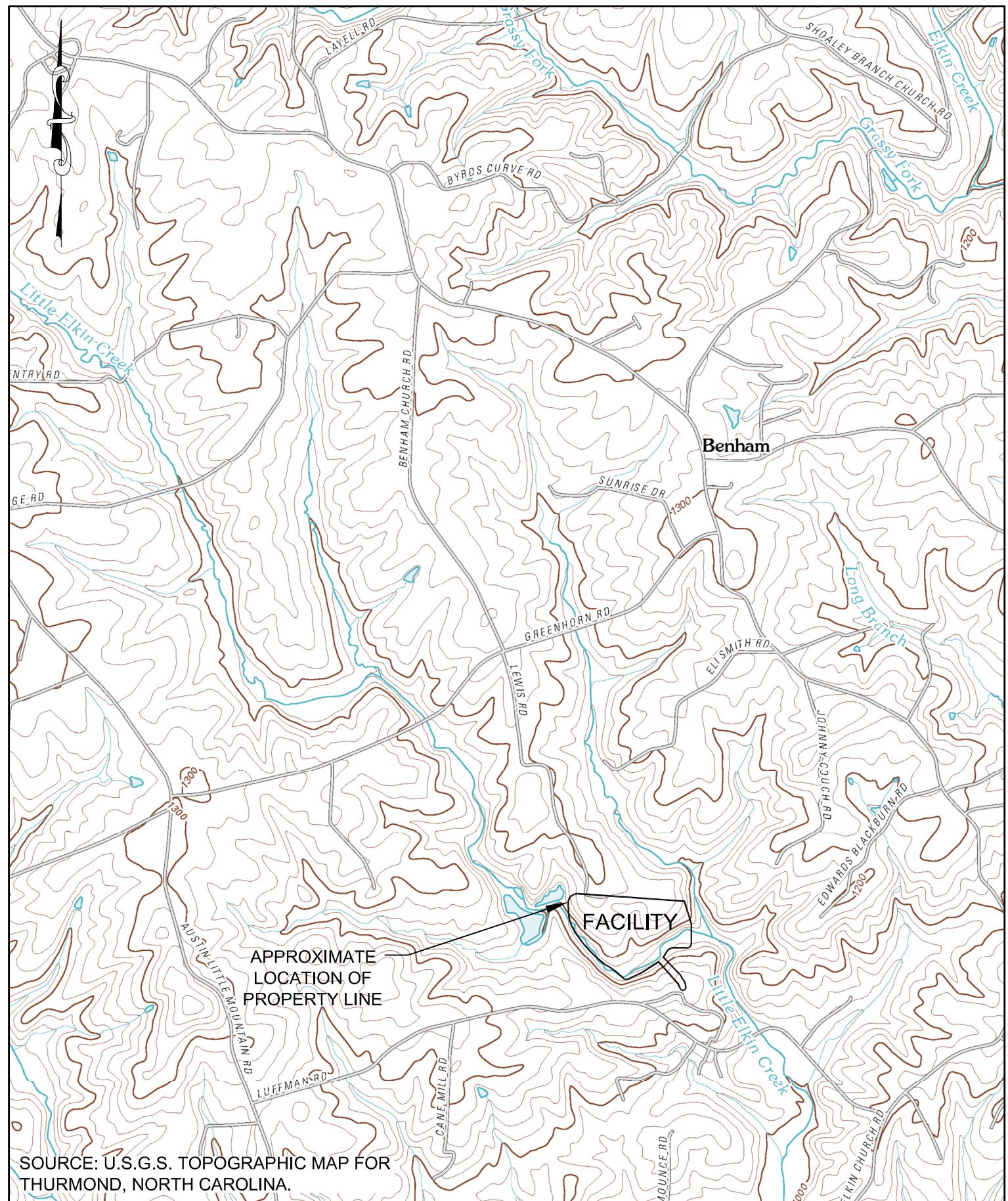
Summary of Historically Detected Constituents

Analyte	Sample Collection Date						Upstream	Downstream	Blanks
		DL	QL	MW-1	MW-2	MW-3			
Xylene (Total)	Sep-93	NR	NR	ND	ND	ND	ND	ND	ND
	Oct-94	NR	5	7	ND	6	ND	ND	ND
	Apr-95	NR	5	ND	ND	ND	ND	ND	ND
	Nov-95	NR	5	6	ND	ND	ND	ND	ND
	May-96	NR	5	ND	ND	ND	ND	ND	ND
	Nov-96	NR	5	ND	ND	ND	ND	ND	ND
	Mar-97	NR	5	ND	ND	ND	ND	ND	ND
	Sep-97	NR	5	ND	ND	ND	ND	ND	ND
	Mar-98	NR	5	ND	ND	ND	ND	ND	ND
	Sep-98	NR	5	ND	ND	ND	ND	ND	ND
	Mar-99	NR	5	ND	ND	ND	ND	ND	ND
	Sep-99	NR	5	ND	ND	ND	ND	ND	ND
	Apr-00	NR	5	ND	ND	ND	ND	ND	ND
	Sep-00	NR	5	ND	ND	ND	ND	ND	ND
	Mar-01	NR	5	ND	ND	ND	ND	ND	ND
	Oct-01	NR	5	ND	ND	ND	ND	ND	ND
	Apr-02	NR	5	ND	ND	ND	ND	ND	ND
	Nov-02	NR	5	ND	ND	ND	ND	ND	ND
	May-03	NR	5	ND	ND	ND	ND	ND	ND
	Nov-03	NR	5	ND	ND	ND	ND	ND	ND
	May-04	NR	5	ND	ND	ND	ND	ND	ND
	Nov-04	NR	5	ND	ND	ND	ND	ND	ND
	May-05	NR	5	ND	ND	ND	ND	ND	ND
	Nov-05	NR	5	ND	ND	ND	ND	ND	ND
	29-Jun-06	NR	5	ND	ND	ND	ND	ND	ND
	20-Dec-06	NR	5	ND	ND	ND	ND	ND	ND
	28-Jun-07	0.3	4.0	ND	ND	ND	ND	ND	ND
NC 2L = 530 µg/L (10/23/07)	27-Dec-07	0.3	4.0	ND	ND	ND (ND)	ND	ND	ND
NC 2B = NE (05/01/07)	28-Apr-08	0.3	4.0	ND	ND	ND (ND)	ND	ND	ND
	08-Dec-08	0.3	4.0	ND	ND	ND (ND)	ND	ND	ND
	24-Jun-09	0.3	4.0	ND	ND (ND)	ND	ND	ND	ND
	15-Dec-09	0.3	5.0	ND	ND	ND (ND)	ND	ND	ND
NC 2L = 300 µg/L (01/01/10)	22-Jun-10	0.3	5.0	ND	ND (ND)	ND	ND	ND	ND
	02-Nov-10	0.3	5.0	ND	ND	ND (ND)	ND	ND	ND
	11-Apr-11	0.66	2.0	ND	ND	ND	ND	ND	ND
	17-Oct-11	0.66	2.0	ND	ND	ND	ND	ND	ND
	09-Apr-12	0.66	2.0	ND	ND	ND	ND	ND	ND
	15-Oct-12	0.66	5.0	ND	ND	ND	ND	ND	ND
	15-Apr-13	0.66	5.0	ND	ND	ND	ND	ND	ND
	07-Oct-13	0.66	5.0	ND	ND	ND	ND	ND	ND
	28-Apr-14	0.66	5.0	ND	ND	ND	ND	ND	ND

Notes:

1. All concentrations are reported in micrograms per liter (mg/L).
2. Values shown in parentheses are from duplicate samples.
3. MW = Groundwater monitoring well.
4. DL = Laboratory detection limit.
5. RL = Laboratory reporting limit (NC SWSL {or lower} From June 2007 to present).
6. B = Reported detect considered to represent blank contamination.
7. NS = Not sampled.
8. NR = Not reported.
9. NA = Not available.
10. NC 2L = North Carolina's groundwater quality Standard established under 15A NCAC 2L, .0202.
11. J = Estimate concentrations.
12. GWPS = Groundwater Protection Standards.
13. NC 2B = North Carolina Surface Water Standard.
14. **Bold**values are above the NC 2L, GWPS, or NC 2B.
15. NE = Not established.

Figure



SOURCE: U.S.G.S. TOPOGRAPHIC MAP FOR THURMOND, NORTH CAROLINA.

DAN JOHNSON LANDFILL
WILKES COUNTY, NORTH CAROLINA

SITE LOCATION MAP

JOYCE
ENGINEERING
2211 W. MEADOWVIEW ROAD
GREENSBORO, NC 27407
PHONE: (336) 323-0092

DESIGNED DSG
DRAWN HRW
CHECKED DSG
APPROVED GVB
DATE 01/16/13
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SCALE
1" = 2000'
NC CORP LIC: C-0782

PROJECT NO.
356.1301.12
FIGURE NO.
1

Appendix

May 07, 2014

Mr. Alex Everhart
Joyce Engineering-NC
2211 W. Meadowview Road
Suite 101
Greensboro, NC 27407

RE: Project: WILKES - DAN JOHNSON 356.1301.
Pace Project No.: 92199362

Dear Mr. Everhart:

Enclosed are the analytical results for sample(s) received by the laboratory on April 30, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kevin Godwin
kevin.godwin@pacelabs.com
Project Manager

Enclosures

cc: Mr. Van Burbach, Joyce Engineering-NC
Alex Everhart, Joyce Engineering-NC



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: WILKES - DAN JOHNSON 356.1301.
Pace Project No.: 92199362

Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001

Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

Asheville Certification IDs

2225 Riverside Dr., Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
West Virginia Certification #: 356
Virginia/VELAP Certification #: 460222

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SAMPLE SUMMARY

Project: WILKES - DAN JOHNSON 356.1301.

Pace Project No.: 92199362

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92199362001	9702-MW1	Water	04/28/14 09:55	04/30/14 14:20
92199362002	9702-MW2	Water	04/28/14 10:58	04/30/14 14:20
92199362003	9702-MW3	Water	04/28/14 10:30	04/30/14 14:20
92199362004	9702-UPSTREAM	Water	04/28/14 10:55	04/30/14 14:20
92199362005	9702-DOWNSTREAM	Water	04/28/14 10:20	04/30/14 14:20
92199362006	9702-FIELD BLANK	Water	04/28/14 11:05	04/30/14 14:20
92199362007	9702-TRIP BLANK	Water	04/28/14 07:00	04/30/14 14:20

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SAMPLE ANALYTE COUNT

Project: WILKES - DAN JOHNSON 356.1301.
Pace Project No.: 92199362

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92199362001	9702-MW1	EPA 6010	JMW	15	PASI-A
		EPA 8260	MCK	50	PASI-C
92199362002	9702-MW2	EPA 6010	JMW	15	PASI-A
		EPA 8260	MCK	50	PASI-C
92199362003	9702-MW3	EPA 6010	JMW	15	PASI-A
		EPA 8260	MCK	50	PASI-C
92199362004	9702-UPSTREAM	EPA 6010	JMW	15	PASI-A
		EPA 8260	MCK	50	PASI-C
92199362005	9702-DOWNSTREAM	EPA 6010	JMW	15	PASI-A
		EPA 8260	MCK	50	PASI-C
92199362006	9702-FIELD BLANK	EPA 6010	JMW	15	PASI-A
		EPA 8260	MCK	50	PASI-C
92199362007	9702-TRIP BLANK	EPA 8260	MCK	50	PASI-C

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: WILKES - DAN JOHNSON 356.1301.

Pace Project No.: 92199362

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92199362001	9702-MW1					
EPA 6010	Barium	35.4J	ug/L	100	05/05/14 18:35	
EPA 6010	Cobalt	100	ug/L	10.0	05/05/14 18:35	
EPA 8260	Benzene	2.5	ug/L	1.0	05/02/14 20:28	
EPA 8260	Chlorobenzene	0.35J	ug/L	3.0	05/02/14 20:28	
EPA 8260	Chloroethane	4.5J	ug/L	10.0	05/02/14 20:28	
EPA 8260	1,4-Dichlorobenzene	3.3	ug/L	1.0	05/02/14 20:28	
EPA 8260	1,1-Dichloroethane	0.82J	ug/L	5.0	05/02/14 20:28	
EPA 8260	cis-1,2-Dichloroethene	8.3	ug/L	5.0	05/02/14 20:28	
EPA 8260	Trichloroethene	0.87J	ug/L	1.0	05/02/14 20:28	
EPA 8260	Vinyl chloride	1.4	ug/L	1.0	05/02/14 20:28	
92199362002	9702-MW2					
EPA 6010	Barium	147	ug/L	100	05/05/14 18:38	
EPA 6010	Cobalt	61.1	ug/L	10.0	05/05/14 18:38	
EPA 6010	Nickel	7.5J	ug/L	50.0	05/05/14 18:38	
EPA 8260	Benzene	0.99J	ug/L	1.0	05/02/14 20:45	
EPA 8260	Chlorobenzene	2.8J	ug/L	3.0	05/02/14 20:45	
EPA 8260	Chloroethane	0.82J	ug/L	10.0	05/02/14 20:45	
EPA 8260	1,2-Dichlorobenzene	1.2J	ug/L	5.0	05/02/14 20:45	
EPA 8260	1,4-Dichlorobenzene	8.2	ug/L	1.0	05/02/14 20:45	
EPA 8260	cis-1,2-Dichloroethene	3.6J	ug/L	5.0	05/02/14 20:45	
92199362003	9702-MW3					
EPA 6010	Barium	82.0J	ug/L	100	05/05/14 18:42	
EPA 6010	Cobalt	22.0	ug/L	10.0	05/05/14 18:42	
EPA 8260	1,4-Dichlorobenzene	4.0	ug/L	1.0	05/02/14 21:01	
EPA 8260	cis-1,2-Dichloroethene	1.1J	ug/L	5.0	05/02/14 21:01	
92199362004	9702-UPSTREAM					
EPA 6010	Barium	17.6J	ug/L	100	05/05/14 18:45	
92199362005	9702-DOWNSTREAM					
EPA 6010	Barium	18.5J	ug/L	100	05/05/14 18:57	

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ANALYTICAL RESULTS

Project: WILKES - DAN JOHNSON 356.1301.

Pace Project No.: 92199362

Sample: 9702-MW1	Lab ID: 92199362001	Collected: 04/28/14 09:55	Received: 04/30/14 14:20	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND ug/L		6.0	5.0	1	05/02/14 11:00	05/05/14 18:35	7440-36-0	
Arsenic	ND ug/L		10.0	5.0	1	05/02/14 11:00	05/05/14 18:35	7440-38-2	
Barium	35.4J ug/L		100	5.0	1	05/02/14 11:00	05/05/14 18:35	7440-39-3	
Beryllium	ND ug/L		1.0	1.0	1	05/02/14 11:00	05/05/14 18:35	7440-41-7	
Cadmium	ND ug/L		1.0	1.0	1	05/02/14 11:00	05/05/14 18:35	7440-43-9	
Chromium	ND ug/L		10.0	5.0	1	05/02/14 11:00	05/05/14 18:35	7440-47-3	
Cobalt	100 ug/L		10.0	5.0	1	05/02/14 11:00	05/05/14 18:35	7440-48-4	
Copper	ND ug/L		10.0	5.0	1	05/02/14 11:00	05/05/14 18:35	7440-50-8	
Lead	ND ug/L		10.0	5.0	1	05/02/14 11:00	05/05/14 18:35	7439-92-1	
Nickel	ND ug/L		50.0	5.0	1	05/02/14 11:00	05/05/14 18:35	7440-02-0	
Selenium	ND ug/L		10.0	10.0	1	05/02/14 11:00	05/05/14 18:35	7782-49-2	
Silver	ND ug/L		10.0	5.0	1	05/02/14 11:00	05/05/14 18:35	7440-22-4	
Thallium	ND ug/L		5.5	5.4	1	05/02/14 11:00	05/05/14 18:35	7440-28-0	
Vanadium	ND ug/L		25.0	5.0	1	05/02/14 11:00	05/05/14 18:35	7440-62-2	
Zinc	ND ug/L		10.0	10.0	1	05/02/14 11:00	05/05/14 18:35	7440-66-6	
8260 MSV Low Level Landfill		Analytical Method: EPA 8260							
Acetone	ND ug/L		100	10.0	1		05/02/14 20:28	67-64-1	
Acrylonitrile	ND ug/L		200	1.9	1		05/02/14 20:28	107-13-1	
Benzene	2.5 ug/L		1.0	0.25	1		05/02/14 20:28	71-43-2	
Bromochloromethane	ND ug/L		3.0	0.17	1		05/02/14 20:28	74-97-5	
Bromodichloromethane	ND ug/L		1.0	0.18	1		05/02/14 20:28	75-27-4	
Bromoform	ND ug/L		3.0	0.26	1		05/02/14 20:28	75-25-2	
Bromomethane	ND ug/L		10.0	0.29	1		05/02/14 20:28	74-83-9	
2-Butanone (MEK)	ND ug/L		100	0.96	1		05/02/14 20:28	78-93-3	
Carbon disulfide	ND ug/L		100	1.2	1		05/02/14 20:28	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	0.25	1		05/02/14 20:28	56-23-5	
Chlorobenzene	0.35J ug/L		3.0	0.23	1		05/02/14 20:28	108-90-7	
Chloroethane	4.5J ug/L		10.0	0.54	1		05/02/14 20:28	75-00-3	
Chloroform	ND ug/L		5.0	0.14	1		05/02/14 20:28	67-66-3	
Chloromethane	ND ug/L		1.0	0.11	1		05/02/14 20:28	74-87-3	
1,2-Dibromo-3-chloropropane	ND ug/L		13.0	2.5	1		05/02/14 20:28	96-12-8	
Dibromochloromethane	ND ug/L		3.0	0.21	1		05/02/14 20:28	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	0.27	1		05/02/14 20:28	106-93-4	
Dibromomethane	ND ug/L		10.0	0.21	1		05/02/14 20:28	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	0.30	1		05/02/14 20:28	95-50-1	
1,4-Dichlorobenzene	3.3 ug/L		1.0	0.33	1		05/02/14 20:28	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1.0	1		05/02/14 20:28	110-57-6	
1,1-Dichloroethane	0.82J ug/L		5.0	0.32	1		05/02/14 20:28	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	0.12	1		05/02/14 20:28	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	0.56	1		05/02/14 20:28	75-35-4	
cis-1,2-Dichloroethene	8.3 ug/L		5.0	0.19	1		05/02/14 20:28	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	0.49	1		05/02/14 20:28	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	0.27	1		05/02/14 20:28	78-87-5	
cis-1,3-Dichloropropene	ND ug/L		1.0	0.13	1		05/02/14 20:28	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	0.26	1		05/02/14 20:28	10061-02-6	

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ANALYTICAL RESULTS

Project: WILKES - DAN JOHNSON 356.1301.

Pace Project No.: 92199362

Sample: 9702-MW1	Lab ID: 92199362001	Collected: 04/28/14 09:55	Received: 04/30/14 14:20	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill		Analytical Method: EPA 8260							
Ethylbenzene	ND ug/L		1.0	0.30	1		05/02/14 20:28	100-41-4	
2-Hexanone	ND ug/L		50.0	0.46	1		05/02/14 20:28	591-78-6	
Iodomethane	ND ug/L		10.0	0.32	1		05/02/14 20:28	74-88-4	
Methylene Chloride	ND ug/L		1.0	0.97	1		05/02/14 20:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		100	0.33	1		05/02/14 20:28	108-10-1	
Styrene	ND ug/L		1.0	0.26	1		05/02/14 20:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		5.0	0.33	1		05/02/14 20:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		3.0	0.40	1		05/02/14 20:28	79-34-5	
Tetrachloroethene	ND ug/L		1.0	0.46	1		05/02/14 20:28	127-18-4	
Toluene	ND ug/L		1.0	0.26	1		05/02/14 20:28	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	0.48	1		05/02/14 20:28	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	0.29	1		05/02/14 20:28	79-00-5	
Trichloroethene	0.87J ug/L		1.0	0.47	1		05/02/14 20:28	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	0.20	1		05/02/14 20:28	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	0.41	1		05/02/14 20:28	96-18-4	
Vinyl acetate	ND ug/L		50.0	0.35	1		05/02/14 20:28	108-05-4	
Vinyl chloride	1.4 ug/L		1.0	0.62	1		05/02/14 20:28	75-01-4	
Xylene (Total)	ND ug/L		5.0	0.66	1		05/02/14 20:28	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97 %		70-130		1		05/02/14 20:28	460-00-4	
1,2-Dichloroethane-d4 (S)	97 %		70-130		1		05/02/14 20:28	17060-07-0	
Toluene-d8 (S)	103 %		70-130		1		05/02/14 20:28	2037-26-5	

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ANALYTICAL RESULTS

Project: WILKES - DAN JOHNSON 356.1301.

Pace Project No.: 92199362

Sample: 9702-MW2	Lab ID: 92199362002	Collected: 04/28/14 10:58	Received: 04/30/14 14:20	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND ug/L		6.0	5.0	1	05/02/14 11:00	05/05/14 18:38	7440-36-0	
Arsenic	ND ug/L		10.0	5.0	1	05/02/14 11:00	05/05/14 18:38	7440-38-2	
Barium	147 ug/L		100	5.0	1	05/02/14 11:00	05/05/14 18:38	7440-39-3	
Beryllium	ND ug/L		1.0	1.0	1	05/02/14 11:00	05/05/14 18:38	7440-41-7	
Cadmium	ND ug/L		1.0	1.0	1	05/02/14 11:00	05/05/14 18:38	7440-43-9	
Chromium	ND ug/L		10.0	5.0	1	05/02/14 11:00	05/05/14 18:38	7440-47-3	
Cobalt	61.1 ug/L		10.0	5.0	1	05/02/14 11:00	05/05/14 18:38	7440-48-4	
Copper	ND ug/L		10.0	5.0	1	05/02/14 11:00	05/05/14 18:38	7440-50-8	
Lead	ND ug/L		10.0	5.0	1	05/02/14 11:00	05/05/14 18:38	7439-92-1	
Nickel	7.5J ug/L		50.0	5.0	1	05/02/14 11:00	05/05/14 18:38	7440-02-0	
Selenium	ND ug/L		10.0	10.0	1	05/02/14 11:00	05/05/14 18:38	7782-49-2	
Silver	ND ug/L		10.0	5.0	1	05/02/14 11:00	05/05/14 18:38	7440-22-4	
Thallium	ND ug/L		5.5	5.4	1	05/02/14 11:00	05/05/14 18:38	7440-28-0	
Vanadium	ND ug/L		25.0	5.0	1	05/02/14 11:00	05/05/14 18:38	7440-62-2	
Zinc	ND ug/L		10.0	10.0	1	05/02/14 11:00	05/05/14 18:38	7440-66-6	
8260 MSV Low Level Landfill		Analytical Method: EPA 8260							
Acetone	ND ug/L		100	10.0	1		05/02/14 20:45	67-64-1	
Acrylonitrile	ND ug/L		200	1.9	1		05/02/14 20:45	107-13-1	
Benzene	0.99J ug/L		1.0	0.25	1		05/02/14 20:45	71-43-2	
Bromochloromethane	ND ug/L		3.0	0.17	1		05/02/14 20:45	74-97-5	
Bromodichloromethane	ND ug/L		1.0	0.18	1		05/02/14 20:45	75-27-4	
Bromoform	ND ug/L		3.0	0.26	1		05/02/14 20:45	75-25-2	
Bromomethane	ND ug/L		10.0	0.29	1		05/02/14 20:45	74-83-9	
2-Butanone (MEK)	ND ug/L		100	0.96	1		05/02/14 20:45	78-93-3	
Carbon disulfide	ND ug/L		100	1.2	1		05/02/14 20:45	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	0.25	1		05/02/14 20:45	56-23-5	
Chlorobenzene	2.8J ug/L		3.0	0.23	1		05/02/14 20:45	108-90-7	
Chloroethane	0.82J ug/L		10.0	0.54	1		05/02/14 20:45	75-00-3	
Chloroform	ND ug/L		5.0	0.14	1		05/02/14 20:45	67-66-3	
Chloromethane	ND ug/L		1.0	0.11	1		05/02/14 20:45	74-87-3	
1,2-Dibromo-3-chloropropane	ND ug/L		13.0	2.5	1		05/02/14 20:45	96-12-8	
Dibromochloromethane	ND ug/L		3.0	0.21	1		05/02/14 20:45	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	0.27	1		05/02/14 20:45	106-93-4	
Dibromomethane	ND ug/L		10.0	0.21	1		05/02/14 20:45	74-95-3	
1,2-Dichlorobenzene	1.2J ug/L		5.0	0.30	1		05/02/14 20:45	95-50-1	
1,4-Dichlorobenzene	8.2 ug/L		1.0	0.33	1		05/02/14 20:45	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1.0	1		05/02/14 20:45	110-57-6	
1,1-Dichloroethane	ND ug/L		5.0	0.32	1		05/02/14 20:45	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	0.12	1		05/02/14 20:45	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	0.56	1		05/02/14 20:45	75-35-4	
cis-1,2-Dichloroethene	3.6J ug/L		5.0	0.19	1		05/02/14 20:45	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	0.49	1		05/02/14 20:45	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	0.27	1		05/02/14 20:45	78-87-5	
cis-1,3-Dichloropropene	ND ug/L		1.0	0.13	1		05/02/14 20:45	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	0.26	1		05/02/14 20:45	10061-02-6	

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ANALYTICAL RESULTS

Project: WILKES - DAN JOHNSON 356.1301.

Pace Project No.: 92199362

Sample: 9702-MW2	Lab ID: 92199362002	Collected: 04/28/14 10:58	Received: 04/30/14 14:20	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill		Analytical Method: EPA 8260							
Ethylbenzene	ND ug/L		1.0	0.30	1		05/02/14 20:45	100-41-4	
2-Hexanone	ND ug/L		50.0	0.46	1		05/02/14 20:45	591-78-6	
Iodomethane	ND ug/L		10.0	0.32	1		05/02/14 20:45	74-88-4	
Methylene Chloride	ND ug/L		1.0	0.97	1		05/02/14 20:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		100	0.33	1		05/02/14 20:45	108-10-1	
Styrene	ND ug/L		1.0	0.26	1		05/02/14 20:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		5.0	0.33	1		05/02/14 20:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		3.0	0.40	1		05/02/14 20:45	79-34-5	
Tetrachloroethene	ND ug/L		1.0	0.46	1		05/02/14 20:45	127-18-4	
Toluene	ND ug/L		1.0	0.26	1		05/02/14 20:45	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	0.48	1		05/02/14 20:45	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	0.29	1		05/02/14 20:45	79-00-5	
Trichloroethene	ND ug/L		1.0	0.47	1		05/02/14 20:45	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	0.20	1		05/02/14 20:45	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	0.41	1		05/02/14 20:45	96-18-4	
Vinyl acetate	ND ug/L		50.0	0.35	1		05/02/14 20:45	108-05-4	
Vinyl chloride	ND ug/L		1.0	0.62	1		05/02/14 20:45	75-01-4	
Xylene (Total)	ND ug/L		5.0	0.66	1		05/02/14 20:45	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	98 %		70-130		1		05/02/14 20:45	460-00-4	
1,2-Dichloroethane-d4 (S)	95 %		70-130		1		05/02/14 20:45	17060-07-0	
Toluene-d8 (S)	102 %		70-130		1		05/02/14 20:45	2037-26-5	

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ANALYTICAL RESULTS

Project: WILKES - DAN JOHNSON 356.1301.

Pace Project No.: 92199362

Sample: 9702-MW3	Lab ID: 92199362003	Collected: 04/28/14 10:30	Received: 04/30/14 14:20	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND ug/L		6.0	5.0	1	05/02/14 11:00	05/05/14 18:42	7440-36-0	
Arsenic	ND ug/L		10.0	5.0	1	05/02/14 11:00	05/05/14 18:42	7440-38-2	
Barium	82.0 ug/L		100	5.0	1	05/02/14 11:00	05/05/14 18:42	7440-39-3	
Beryllium	ND ug/L		1.0	1.0	1	05/02/14 11:00	05/05/14 18:42	7440-41-7	
Cadmium	ND ug/L		1.0	1.0	1	05/02/14 11:00	05/05/14 18:42	7440-43-9	
Chromium	ND ug/L		10.0	5.0	1	05/02/14 11:00	05/05/14 18:42	7440-47-3	
Cobalt	22.0 ug/L		10.0	5.0	1	05/02/14 11:00	05/05/14 18:42	7440-48-4	
Copper	ND ug/L		10.0	5.0	1	05/02/14 11:00	05/05/14 18:42	7440-50-8	
Lead	ND ug/L		10.0	5.0	1	05/02/14 11:00	05/05/14 18:42	7439-92-1	
Nickel	ND ug/L		50.0	5.0	1	05/02/14 11:00	05/05/14 18:42	7440-02-0	
Selenium	ND ug/L		10.0	10.0	1	05/02/14 11:00	05/05/14 18:42	7782-49-2	
Silver	ND ug/L		10.0	5.0	1	05/02/14 11:00	05/05/14 18:42	7440-22-4	
Thallium	ND ug/L		5.5	5.4	1	05/02/14 11:00	05/05/14 18:42	7440-28-0	
Vanadium	ND ug/L		25.0	5.0	1	05/02/14 11:00	05/05/14 18:42	7440-62-2	
Zinc	ND ug/L		10.0	10.0	1	05/02/14 11:00	05/05/14 18:42	7440-66-6	
8260 MSV Low Level Landfill		Analytical Method: EPA 8260							
Acetone	ND ug/L		100	10.0	1		05/02/14 21:01	67-64-1	
Acrylonitrile	ND ug/L		200	1.9	1		05/02/14 21:01	107-13-1	
Benzene	ND ug/L		1.0	0.25	1		05/02/14 21:01	71-43-2	
Bromochloromethane	ND ug/L		3.0	0.17	1		05/02/14 21:01	74-97-5	
Bromodichloromethane	ND ug/L		1.0	0.18	1		05/02/14 21:01	75-27-4	
Bromoform	ND ug/L		3.0	0.26	1		05/02/14 21:01	75-25-2	
Bromomethane	ND ug/L		10.0	0.29	1		05/02/14 21:01	74-83-9	
2-Butanone (MEK)	ND ug/L		100	0.96	1		05/02/14 21:01	78-93-3	
Carbon disulfide	ND ug/L		100	1.2	1		05/02/14 21:01	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	0.25	1		05/02/14 21:01	56-23-5	
Chlorobenzene	ND ug/L		3.0	0.23	1		05/02/14 21:01	108-90-7	
Chloroethane	ND ug/L		10.0	0.54	1		05/02/14 21:01	75-00-3	
Chloroform	ND ug/L		5.0	0.14	1		05/02/14 21:01	67-66-3	
Chloromethane	ND ug/L		1.0	0.11	1		05/02/14 21:01	74-87-3	
1,2-Dibromo-3-chloropropane	ND ug/L		13.0	2.5	1		05/02/14 21:01	96-12-8	
Dibromochloromethane	ND ug/L		3.0	0.21	1		05/02/14 21:01	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	0.27	1		05/02/14 21:01	106-93-4	
Dibromomethane	ND ug/L		10.0	0.21	1		05/02/14 21:01	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	0.30	1		05/02/14 21:01	95-50-1	
1,4-Dichlorobenzene	4.0 ug/L		1.0	0.33	1		05/02/14 21:01	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1.0	1		05/02/14 21:01	110-57-6	
1,1-Dichloroethane	ND ug/L		5.0	0.32	1		05/02/14 21:01	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	0.12	1		05/02/14 21:01	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	0.56	1		05/02/14 21:01	75-35-4	
cis-1,2-Dichloroethene	1.1J ug/L		5.0	0.19	1		05/02/14 21:01	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	0.49	1		05/02/14 21:01	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	0.27	1		05/02/14 21:01	78-87-5	
cis-1,3-Dichloropropene	ND ug/L		1.0	0.13	1		05/02/14 21:01	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	0.26	1		05/02/14 21:01	10061-02-6	

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ANALYTICAL RESULTS

Project: WILKES - DAN JOHNSON 356.1301.

Pace Project No.: 92199362

Sample: 9702-MW3	Lab ID: 92199362003	Collected: 04/28/14 10:30	Received: 04/30/14 14:20	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill		Analytical Method: EPA 8260							
Ethylbenzene	ND ug/L		1.0	0.30	1		05/02/14 21:01	100-41-4	
2-Hexanone	ND ug/L		50.0	0.46	1		05/02/14 21:01	591-78-6	
Iodomethane	ND ug/L		10.0	0.32	1		05/02/14 21:01	74-88-4	
Methylene Chloride	ND ug/L		1.0	0.97	1		05/02/14 21:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		100	0.33	1		05/02/14 21:01	108-10-1	
Styrene	ND ug/L		1.0	0.26	1		05/02/14 21:01	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		5.0	0.33	1		05/02/14 21:01	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		3.0	0.40	1		05/02/14 21:01	79-34-5	
Tetrachloroethene	ND ug/L		1.0	0.46	1		05/02/14 21:01	127-18-4	
Toluene	ND ug/L		1.0	0.26	1		05/02/14 21:01	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	0.48	1		05/02/14 21:01	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	0.29	1		05/02/14 21:01	79-00-5	
Trichloroethene	ND ug/L		1.0	0.47	1		05/02/14 21:01	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	0.20	1		05/02/14 21:01	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	0.41	1		05/02/14 21:01	96-18-4	
Vinyl acetate	ND ug/L		50.0	0.35	1		05/02/14 21:01	108-05-4	
Vinyl chloride	ND ug/L		1.0	0.62	1		05/02/14 21:01	75-01-4	
Xylene (Total)	ND ug/L		5.0	0.66	1		05/02/14 21:01	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97 %		70-130		1		05/02/14 21:01	460-00-4	
1,2-Dichloroethane-d4 (S)	96 %		70-130		1		05/02/14 21:01	17060-07-0	
Toluene-d8 (S)	102 %		70-130		1		05/02/14 21:01	2037-26-5	

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ANALYTICAL RESULTS

Project: WILKES - DAN JOHNSON 356.1301.

Pace Project No.: 92199362

Sample: 9702-UPSTREAM	Lab ID: 92199362004	Collected: 04/28/14 10:55	Received: 04/30/14 14:20	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND ug/L		6.0	5.0	1	05/02/14 11:00	05/05/14 18:45	7440-36-0	
Arsenic	ND ug/L		10.0	5.0	1	05/02/14 11:00	05/05/14 18:45	7440-38-2	
Barium	17.6J ug/L		100	5.0	1	05/02/14 11:00	05/05/14 18:45	7440-39-3	
Beryllium	ND ug/L		1.0	1.0	1	05/02/14 11:00	05/05/14 18:45	7440-41-7	
Cadmium	ND ug/L		1.0	1.0	1	05/02/14 11:00	05/05/14 18:45	7440-43-9	
Chromium	ND ug/L		10.0	5.0	1	05/02/14 11:00	05/05/14 18:45	7440-47-3	
Cobalt	ND ug/L		10.0	5.0	1	05/02/14 11:00	05/05/14 18:45	7440-48-4	
Copper	ND ug/L		10.0	5.0	1	05/02/14 11:00	05/05/14 18:45	7440-50-8	
Lead	ND ug/L		10.0	5.0	1	05/02/14 11:00	05/05/14 18:45	7439-92-1	
Nickel	ND ug/L		50.0	5.0	1	05/02/14 11:00	05/05/14 18:45	7440-02-0	
Selenium	ND ug/L		10.0	10.0	1	05/02/14 11:00	05/05/14 18:45	7782-49-2	
Silver	ND ug/L		10.0	5.0	1	05/02/14 11:00	05/05/14 18:45	7440-22-4	
Thallium	ND ug/L		5.5	5.4	1	05/02/14 11:00	05/05/14 18:45	7440-28-0	
Vanadium	ND ug/L		25.0	5.0	1	05/02/14 11:00	05/05/14 18:45	7440-62-2	
Zinc	ND ug/L		10.0	10.0	1	05/02/14 11:00	05/05/14 18:45	7440-66-6	
8260 MSV Low Level Landfill		Analytical Method: EPA 8260							
Acetone	ND ug/L		100	10.0	1		05/02/14 21:18	67-64-1	
Acrylonitrile	ND ug/L		200	1.9	1		05/02/14 21:18	107-13-1	
Benzene	ND ug/L		1.0	0.25	1		05/02/14 21:18	71-43-2	
Bromochloromethane	ND ug/L		3.0	0.17	1		05/02/14 21:18	74-97-5	
Bromodichloromethane	ND ug/L		1.0	0.18	1		05/02/14 21:18	75-27-4	
Bromoform	ND ug/L		3.0	0.26	1		05/02/14 21:18	75-25-2	
Bromomethane	ND ug/L		10.0	0.29	1		05/02/14 21:18	74-83-9	
2-Butanone (MEK)	ND ug/L		100	0.96	1		05/02/14 21:18	78-93-3	
Carbon disulfide	ND ug/L		100	1.2	1		05/02/14 21:18	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	0.25	1		05/02/14 21:18	56-23-5	
Chlorobenzene	ND ug/L		3.0	0.23	1		05/02/14 21:18	108-90-7	
Chloroethane	ND ug/L		10.0	0.54	1		05/02/14 21:18	75-00-3	
Chloroform	ND ug/L		5.0	0.14	1		05/02/14 21:18	67-66-3	
Chloromethane	ND ug/L		1.0	0.11	1		05/02/14 21:18	74-87-3	
1,2-Dibromo-3-chloropropane	ND ug/L		13.0	2.5	1		05/02/14 21:18	96-12-8	
Dibromochloromethane	ND ug/L		3.0	0.21	1		05/02/14 21:18	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	0.27	1		05/02/14 21:18	106-93-4	
Dibromomethane	ND ug/L		10.0	0.21	1		05/02/14 21:18	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	0.30	1		05/02/14 21:18	95-50-1	
1,4-Dichlorobenzene	ND ug/L		1.0	0.33	1		05/02/14 21:18	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1.0	1		05/02/14 21:18	110-57-6	
1,1-Dichloroethane	ND ug/L		5.0	0.32	1		05/02/14 21:18	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	0.12	1		05/02/14 21:18	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	0.56	1		05/02/14 21:18	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	0.19	1		05/02/14 21:18	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	0.49	1		05/02/14 21:18	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	0.27	1		05/02/14 21:18	78-87-5	
cis-1,3-Dichloropropene	ND ug/L		1.0	0.13	1		05/02/14 21:18	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	0.26	1		05/02/14 21:18	10061-02-6	

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ANALYTICAL RESULTS

Project: WILKES - DAN JOHNSON 356.1301.

Pace Project No.: 92199362

Sample: 9702-UPSTREAM	Lab ID: 92199362004	Collected: 04/28/14 10:55	Received: 04/30/14 14:20	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill		Analytical Method: EPA 8260							
Ethylbenzene	ND ug/L		1.0	0.30	1		05/02/14 21:18	100-41-4	
2-Hexanone	ND ug/L		50.0	0.46	1		05/02/14 21:18	591-78-6	
Iodomethane	ND ug/L		10.0	0.32	1		05/02/14 21:18	74-88-4	
Methylene Chloride	ND ug/L		1.0	0.97	1		05/02/14 21:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		100	0.33	1		05/02/14 21:18	108-10-1	
Styrene	ND ug/L		1.0	0.26	1		05/02/14 21:18	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		5.0	0.33	1		05/02/14 21:18	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		3.0	0.40	1		05/02/14 21:18	79-34-5	
Tetrachloroethene	ND ug/L		1.0	0.46	1		05/02/14 21:18	127-18-4	
Toluene	ND ug/L		1.0	0.26	1		05/02/14 21:18	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	0.48	1		05/02/14 21:18	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	0.29	1		05/02/14 21:18	79-00-5	
Trichloroethene	ND ug/L		1.0	0.47	1		05/02/14 21:18	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	0.20	1		05/02/14 21:18	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	0.41	1		05/02/14 21:18	96-18-4	
Vinyl acetate	ND ug/L		50.0	0.35	1		05/02/14 21:18	108-05-4	
Vinyl chloride	ND ug/L		1.0	0.62	1		05/02/14 21:18	75-01-4	
Xylene (Total)	ND ug/L		5.0	0.66	1		05/02/14 21:18	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96 %		70-130		1		05/02/14 21:18	460-00-4	
1,2-Dichloroethane-d4 (S)	95 %		70-130		1		05/02/14 21:18	17060-07-0	
Toluene-d8 (S)	101 %		70-130		1		05/02/14 21:18	2037-26-5	

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ANALYTICAL RESULTS

Project: WILKES - DAN JOHNSON 356.1301.

Pace Project No.: 92199362

Sample: 9702-DOWNSTREAM		Lab ID: 92199362005		Collected: 04/28/14 10:20		Received: 04/30/14 14:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND ug/L		6.0	5.0	1	05/02/14 11:00	05/05/14 18:57	7440-36-0	
Arsenic	ND ug/L		10.0	5.0	1	05/02/14 11:00	05/05/14 18:57	7440-38-2	
Barium	18.5 ug/L		100	5.0	1	05/02/14 11:00	05/05/14 18:57	7440-39-3	
Beryllium	ND ug/L		1.0	1.0	1	05/02/14 11:00	05/05/14 18:57	7440-41-7	
Cadmium	ND ug/L		1.0	1.0	1	05/02/14 11:00	05/05/14 18:57	7440-43-9	
Chromium	ND ug/L		10.0	5.0	1	05/02/14 11:00	05/05/14 18:57	7440-47-3	
Cobalt	ND ug/L		10.0	5.0	1	05/02/14 11:00	05/05/14 18:57	7440-48-4	
Copper	ND ug/L		10.0	5.0	1	05/02/14 11:00	05/05/14 18:57	7440-50-8	
Lead	ND ug/L		10.0	5.0	1	05/02/14 11:00	05/05/14 18:57	7439-92-1	
Nickel	ND ug/L		50.0	5.0	1	05/02/14 11:00	05/05/14 18:57	7440-02-0	
Selenium	ND ug/L		10.0	10.0	1	05/02/14 11:00	05/05/14 18:57	7782-49-2	
Silver	ND ug/L		10.0	5.0	1	05/02/14 11:00	05/05/14 18:57	7440-22-4	
Thallium	ND ug/L		5.5	5.4	1	05/02/14 11:00	05/05/14 18:57	7440-28-0	
Vanadium	ND ug/L		25.0	5.0	1	05/02/14 11:00	05/05/14 18:57	7440-62-2	
Zinc	ND ug/L		10.0	10.0	1	05/02/14 11:00	05/05/14 18:57	7440-66-6	
8260 MSV Low Level Landfill		Analytical Method: EPA 8260							
Acetone	ND ug/L		100	10.0	1		05/02/14 21:34	67-64-1	
Acrylonitrile	ND ug/L		200	1.9	1		05/02/14 21:34	107-13-1	
Benzene	ND ug/L		1.0	0.25	1		05/02/14 21:34	71-43-2	
Bromochloromethane	ND ug/L		3.0	0.17	1		05/02/14 21:34	74-97-5	
Bromodichloromethane	ND ug/L		1.0	0.18	1		05/02/14 21:34	75-27-4	
Bromoform	ND ug/L		3.0	0.26	1		05/02/14 21:34	75-25-2	
Bromomethane	ND ug/L		10.0	0.29	1		05/02/14 21:34	74-83-9	
2-Butanone (MEK)	ND ug/L		100	0.96	1		05/02/14 21:34	78-93-3	
Carbon disulfide	ND ug/L		100	1.2	1		05/02/14 21:34	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	0.25	1		05/02/14 21:34	56-23-5	
Chlorobenzene	ND ug/L		3.0	0.23	1		05/02/14 21:34	108-90-7	
Chloroethane	ND ug/L		10.0	0.54	1		05/02/14 21:34	75-00-3	
Chloroform	ND ug/L		5.0	0.14	1		05/02/14 21:34	67-66-3	
Chloromethane	ND ug/L		1.0	0.11	1		05/02/14 21:34	74-87-3	
1,2-Dibromo-3-chloropropane	ND ug/L		13.0	2.5	1		05/02/14 21:34	96-12-8	
Dibromochloromethane	ND ug/L		3.0	0.21	1		05/02/14 21:34	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	0.27	1		05/02/14 21:34	106-93-4	
Dibromomethane	ND ug/L		10.0	0.21	1		05/02/14 21:34	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	0.30	1		05/02/14 21:34	95-50-1	
1,4-Dichlorobenzene	ND ug/L		1.0	0.33	1		05/02/14 21:34	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1.0	1		05/02/14 21:34	110-57-6	
1,1-Dichloroethane	ND ug/L		5.0	0.32	1		05/02/14 21:34	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	0.12	1		05/02/14 21:34	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	0.56	1		05/02/14 21:34	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	0.19	1		05/02/14 21:34	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	0.49	1		05/02/14 21:34	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	0.27	1		05/02/14 21:34	78-87-5	
cis-1,3-Dichloropropene	ND ug/L		1.0	0.13	1		05/02/14 21:34	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	0.26	1		05/02/14 21:34	10061-02-6	

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ANALYTICAL RESULTS

Project: WILKES - DAN JOHNSON 356.1301.

Pace Project No.: 92199362

Sample: 9702-DOWNSTREAM	Lab ID: 92199362005	Collected: 04/28/14 10:20	Received: 04/30/14 14:20	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill		Analytical Method: EPA 8260							
Ethylbenzene	ND ug/L		1.0	0.30	1		05/02/14 21:34	100-41-4	
2-Hexanone	ND ug/L		50.0	0.46	1		05/02/14 21:34	591-78-6	
Iodomethane	ND ug/L		10.0	0.32	1		05/02/14 21:34	74-88-4	
Methylene Chloride	ND ug/L		1.0	0.97	1		05/02/14 21:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		100	0.33	1		05/02/14 21:34	108-10-1	
Styrene	ND ug/L		1.0	0.26	1		05/02/14 21:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		5.0	0.33	1		05/02/14 21:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		3.0	0.40	1		05/02/14 21:34	79-34-5	
Tetrachloroethene	ND ug/L		1.0	0.46	1		05/02/14 21:34	127-18-4	
Toluene	ND ug/L		1.0	0.26	1		05/02/14 21:34	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	0.48	1		05/02/14 21:34	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	0.29	1		05/02/14 21:34	79-00-5	
Trichloroethene	ND ug/L		1.0	0.47	1		05/02/14 21:34	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	0.20	1		05/02/14 21:34	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	0.41	1		05/02/14 21:34	96-18-4	
Vinyl acetate	ND ug/L		50.0	0.35	1		05/02/14 21:34	108-05-4	
Vinyl chloride	ND ug/L		1.0	0.62	1		05/02/14 21:34	75-01-4	
Xylene (Total)	ND ug/L		5.0	0.66	1		05/02/14 21:34	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97 %		70-130		1		05/02/14 21:34	460-00-4	
1,2-Dichloroethane-d4 (S)	95 %		70-130		1		05/02/14 21:34	17060-07-0	
Toluene-d8 (S)	102 %		70-130		1		05/02/14 21:34	2037-26-5	

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ANALYTICAL RESULTS

Project: WILKES - DAN JOHNSON 356.1301.

Pace Project No.: 92199362

Sample: 9702-FIELD BLANK		Lab ID: 92199362006		Collected: 04/28/14 11:05		Received: 04/30/14 14:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND ug/L		6.0	5.0	1	05/02/14 11:00	05/05/14 19:00	7440-36-0	
Arsenic	ND ug/L		10.0	5.0	1	05/02/14 11:00	05/05/14 19:00	7440-38-2	
Barium	ND ug/L		100	5.0	1	05/02/14 11:00	05/05/14 19:00	7440-39-3	
Beryllium	ND ug/L		1.0	1.0	1	05/02/14 11:00	05/05/14 19:00	7440-41-7	
Cadmium	ND ug/L		1.0	1.0	1	05/02/14 11:00	05/05/14 19:00	7440-43-9	
Chromium	ND ug/L		10.0	5.0	1	05/02/14 11:00	05/05/14 19:00	7440-47-3	
Cobalt	ND ug/L		10.0	5.0	1	05/02/14 11:00	05/05/14 19:00	7440-48-4	
Copper	ND ug/L		10.0	5.0	1	05/02/14 11:00	05/05/14 19:00	7440-50-8	
Lead	ND ug/L		10.0	5.0	1	05/02/14 11:00	05/05/14 19:00	7439-92-1	
Nickel	ND ug/L		50.0	5.0	1	05/02/14 11:00	05/05/14 19:00	7440-02-0	
Selenium	ND ug/L		10.0	10.0	1	05/02/14 11:00	05/05/14 19:00	7782-49-2	
Silver	ND ug/L		10.0	5.0	1	05/02/14 11:00	05/05/14 19:00	7440-22-4	
Thallium	ND ug/L		5.5	5.4	1	05/02/14 11:00	05/05/14 19:00	7440-28-0	
Vanadium	ND ug/L		25.0	5.0	1	05/02/14 11:00	05/05/14 19:00	7440-62-2	
Zinc	ND ug/L		10.0	10.0	1	05/02/14 11:00	05/05/14 19:00	7440-66-6	
8260 MSV Low Level Landfill		Analytical Method: EPA 8260							
Acetone	ND ug/L		100	10.0	1		05/02/14 21:51	67-64-1	
Acrylonitrile	ND ug/L		200	1.9	1		05/02/14 21:51	107-13-1	
Benzene	ND ug/L		1.0	0.25	1		05/02/14 21:51	71-43-2	
Bromochloromethane	ND ug/L		3.0	0.17	1		05/02/14 21:51	74-97-5	
Bromodichloromethane	ND ug/L		1.0	0.18	1		05/02/14 21:51	75-27-4	
Bromoform	ND ug/L		3.0	0.26	1		05/02/14 21:51	75-25-2	
Bromomethane	ND ug/L		10.0	0.29	1		05/02/14 21:51	74-83-9	
2-Butanone (MEK)	ND ug/L		100	0.96	1		05/02/14 21:51	78-93-3	
Carbon disulfide	ND ug/L		100	1.2	1		05/02/14 21:51	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	0.25	1		05/02/14 21:51	56-23-5	
Chlorobenzene	ND ug/L		3.0	0.23	1		05/02/14 21:51	108-90-7	
Chloroethane	ND ug/L		10.0	0.54	1		05/02/14 21:51	75-00-3	
Chloroform	ND ug/L		5.0	0.14	1		05/02/14 21:51	67-66-3	
Chloromethane	ND ug/L		1.0	0.11	1		05/02/14 21:51	74-87-3	
1,2-Dibromo-3-chloropropane	ND ug/L		13.0	2.5	1		05/02/14 21:51	96-12-8	
Dibromochloromethane	ND ug/L		3.0	0.21	1		05/02/14 21:51	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	0.27	1		05/02/14 21:51	106-93-4	
Dibromomethane	ND ug/L		10.0	0.21	1		05/02/14 21:51	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	0.30	1		05/02/14 21:51	95-50-1	
1,4-Dichlorobenzene	ND ug/L		1.0	0.33	1		05/02/14 21:51	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1.0	1		05/02/14 21:51	110-57-6	
1,1-Dichloroethane	ND ug/L		5.0	0.32	1		05/02/14 21:51	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	0.12	1		05/02/14 21:51	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	0.56	1		05/02/14 21:51	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	0.19	1		05/02/14 21:51	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	0.49	1		05/02/14 21:51	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	0.27	1		05/02/14 21:51	78-87-5	
cis-1,3-Dichloropropene	ND ug/L		1.0	0.13	1		05/02/14 21:51	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	0.26	1		05/02/14 21:51	10061-02-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: WILKES - DAN JOHNSON 356.1301.

Pace Project No.: 92199362

Sample: 9702-FIELD BLANK	Lab ID: 92199362006	Collected: 04/28/14 11:05	Received: 04/30/14 14:20	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill		Analytical Method: EPA 8260							
Ethylbenzene	ND ug/L		1.0	0.30	1		05/02/14 21:51	100-41-4	
2-Hexanone	ND ug/L		50.0	0.46	1		05/02/14 21:51	591-78-6	
Iodomethane	ND ug/L		10.0	0.32	1		05/02/14 21:51	74-88-4	
Methylene Chloride	ND ug/L		1.0	0.97	1		05/02/14 21:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		100	0.33	1		05/02/14 21:51	108-10-1	
Styrene	ND ug/L		1.0	0.26	1		05/02/14 21:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		5.0	0.33	1		05/02/14 21:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		3.0	0.40	1		05/02/14 21:51	79-34-5	
Tetrachloroethene	ND ug/L		1.0	0.46	1		05/02/14 21:51	127-18-4	
Toluene	ND ug/L		1.0	0.26	1		05/02/14 21:51	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	0.48	1		05/02/14 21:51	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	0.29	1		05/02/14 21:51	79-00-5	
Trichloroethene	ND ug/L		1.0	0.47	1		05/02/14 21:51	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	0.20	1		05/02/14 21:51	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	0.41	1		05/02/14 21:51	96-18-4	
Vinyl acetate	ND ug/L		50.0	0.35	1		05/02/14 21:51	108-05-4	
Vinyl chloride	ND ug/L		1.0	0.62	1		05/02/14 21:51	75-01-4	
Xylene (Total)	ND ug/L		5.0	0.66	1		05/02/14 21:51	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	96 %		70-130		1		05/02/14 21:51	460-00-4	
1,2-Dichloroethane-d4 (S)	96 %		70-130		1		05/02/14 21:51	17060-07-0	
Toluene-d8 (S)	100 %		70-130		1		05/02/14 21:51	2037-26-5	

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ANALYTICAL RESULTS

Project: WILKES - DAN JOHNSON 356.1301.

Pace Project No.: 92199362

Sample: 9702-TRIP BLANK	Lab ID: 92199362007	Collected: 04/28/14 07:00	Received: 04/30/14 14:20	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill		Analytical Method: EPA 8260							
Acetone	ND ug/L		100	10.0	1		05/02/14 22:07	67-64-1	
Acrylonitrile	ND ug/L		200	1.9	1		05/02/14 22:07	107-13-1	
Benzene	ND ug/L		1.0	0.25	1		05/02/14 22:07	71-43-2	
Bromochloromethane	ND ug/L		3.0	0.17	1		05/02/14 22:07	74-97-5	
Bromodichloromethane	ND ug/L		1.0	0.18	1		05/02/14 22:07	75-27-4	
Bromoform	ND ug/L		3.0	0.26	1		05/02/14 22:07	75-25-2	
Bromomethane	ND ug/L		10.0	0.29	1		05/02/14 22:07	74-83-9	
2-Butanone (MEK)	ND ug/L		100	0.96	1		05/02/14 22:07	78-93-3	
Carbon disulfide	ND ug/L		100	1.2	1		05/02/14 22:07	75-15-0	
Carbon tetrachloride	ND ug/L		1.0	0.25	1		05/02/14 22:07	56-23-5	
Chlorobenzene	ND ug/L		3.0	0.23	1		05/02/14 22:07	108-90-7	
Chloroethane	ND ug/L		10.0	0.54	1		05/02/14 22:07	75-00-3	
Chloroform	ND ug/L		5.0	0.14	1		05/02/14 22:07	67-66-3	
Chloromethane	ND ug/L		1.0	0.11	1		05/02/14 22:07	74-87-3	
1,2-Dibromo-3-chloropropane	ND ug/L		13.0	2.5	1		05/02/14 22:07	96-12-8	
Dibromochloromethane	ND ug/L		3.0	0.21	1		05/02/14 22:07	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	0.27	1		05/02/14 22:07	106-93-4	
Dibromomethane	ND ug/L		10.0	0.21	1		05/02/14 22:07	74-95-3	
1,2-Dichlorobenzene	ND ug/L		5.0	0.30	1		05/02/14 22:07	95-50-1	
1,4-Dichlorobenzene	ND ug/L		1.0	0.33	1		05/02/14 22:07	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/L		100	1.0	1		05/02/14 22:07	110-57-6	
1,1-Dichloroethane	ND ug/L		5.0	0.32	1		05/02/14 22:07	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	0.12	1		05/02/14 22:07	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	0.56	1		05/02/14 22:07	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		5.0	0.19	1		05/02/14 22:07	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	0.49	1		05/02/14 22:07	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	0.27	1		05/02/14 22:07	78-87-5	
cis-1,3-Dichloropropene	ND ug/L		1.0	0.13	1		05/02/14 22:07	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	0.26	1		05/02/14 22:07	10061-02-6	
Ethylbenzene	ND ug/L		1.0	0.30	1		05/02/14 22:07	100-41-4	
2-Hexanone	ND ug/L		50.0	0.46	1		05/02/14 22:07	591-78-6	
Iodomethane	ND ug/L		10.0	0.32	1		05/02/14 22:07	74-88-4	
Methylene Chloride	ND ug/L		1.0	0.97	1		05/02/14 22:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		100	0.33	1		05/02/14 22:07	108-10-1	
Styrene	ND ug/L		1.0	0.26	1		05/02/14 22:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		5.0	0.33	1		05/02/14 22:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		3.0	0.40	1		05/02/14 22:07	79-34-5	
Tetrachloroethene	ND ug/L		1.0	0.46	1		05/02/14 22:07	127-18-4	
Toluene	ND ug/L		1.0	0.26	1		05/02/14 22:07	108-88-3	
1,1,1-Trichloroethane	ND ug/L		1.0	0.48	1		05/02/14 22:07	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	0.29	1		05/02/14 22:07	79-00-5	
Trichloroethene	ND ug/L		1.0	0.47	1		05/02/14 22:07	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	0.20	1		05/02/14 22:07	75-69-4	
1,2,3-Trichloropropene	ND ug/L		1.0	0.41	1		05/02/14 22:07	96-18-4	
Vinyl acetate	ND ug/L		50.0	0.35	1		05/02/14 22:07	108-05-4	
Vinyl chloride	ND ug/L		1.0	0.62	1		05/02/14 22:07	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: WILKES - DAN JOHNSON 356.1301.

Pace Project No.: 92199362

Sample: 9702-TRIP BLANK		Lab ID: 92199362007		Collected:	Received:	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Xylene (Total)	ND	ug/L	5.0	0.66	1		05/02/14 22:07	1330-20-7	
Surrogates									
4-Bromofluorobenzene (S)	97 %		70-130		1		05/02/14 22:07	460-00-4	
1,2-Dichloroethane-d4 (S)	97 %		70-130		1		05/02/14 22:07	17060-07-0	
Toluene-d8 (S)	101 %		70-130		1		05/02/14 22:07	2037-26-5	

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QUALITY CONTROL DATA

Project: WILKES - DAN JOHNSON 356.1301.

Pace Project No.: 92199362

QC Batch: MPRP/15832 Analysis Method: EPA 6010

QC Batch Method: EPA 3010 Analysis Description: 6010 MET NC Groundwater

Associated Lab Samples: 92199362001, 92199362002, 92199362003, 92199362004, 92199362005, 92199362006

METHOD BLANK: 1189464 Matrix: Water

Associated Lab Samples: 92199362001, 92199362002, 92199362003, 92199362004, 92199362005, 92199362006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	6.0	05/05/14 17:14	
Arsenic	ug/L	ND	10.0	05/05/14 17:14	
Barium	ug/L	ND	100	05/05/14 17:14	
Beryllium	ug/L	ND	1.0	05/05/14 17:14	
Cadmium	ug/L	ND	1.0	05/05/14 17:14	
Chromium	ug/L	ND	10.0	05/05/14 17:14	
Cobalt	ug/L	ND	10.0	05/05/14 17:14	
Copper	ug/L	ND	10.0	05/05/14 17:14	
Lead	ug/L	ND	10.0	05/05/14 17:14	
Nickel	ug/L	ND	50.0	05/05/14 17:14	
Selenium	ug/L	ND	10.0	05/05/14 17:14	
Silver	ug/L	ND	10.0	05/05/14 17:14	
Thallium	ug/L	ND	5.5	05/05/14 17:14	
Vanadium	ug/L	ND	25.0	05/05/14 17:14	
Zinc	ug/L	ND	10.0	05/05/14 17:14	

LABORATORY CONTROL SAMPLE: 1189465

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	491	98	80-120	
Arsenic	ug/L	500	468	94	80-120	
Barium	ug/L	500	490	98	80-120	
Beryllium	ug/L	500	466	93	80-120	
Cadmium	ug/L	500	450	90	80-120	
Chromium	ug/L	500	458	92	80-120	
Cobalt	ug/L	500	472	94	80-120	
Copper	ug/L	500	492	98	80-120	
Lead	ug/L	500	478	96	80-120	
Nickel	ug/L	500	474	95	80-120	
Selenium	ug/L	500	470	94	80-120	
Silver	ug/L	250	234	94	80-120	
Thallium	ug/L	500	475	95	80-120	
Vanadium	ug/L	500	476	95	80-120	
Zinc	ug/L	500	450	90	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1189466 1189467

Parameter	Units	MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MS % Rec	MSD % Rec	MSD % Rec Limits	Max RPD	Max RPD	Qual
Antimony	ug/L	ND	500	500	539	552	107	110	75-125	2	25	

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QUALITY CONTROL DATA

Project: WILKES - DAN JOHNSON 356.1301.

Pace Project No.: 92199362

Parameter	MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		1189466		1189467									
	Units	Result	MS	MSD	MS	MSD	MS	MSD	% Rec	% Rec	Limits	RPD	Max	
			Spike Conc.	Spike Conc.										
Arsenic	ug/L	14.3	500	500	561	586	109	114	75-125	4	25			
Barium	ug/L	376	500	500	803	831	85	91	75-125	3	25			
Beryllium	ug/L	1.8	500	500	409	415	81	83	75-125	1	25			
Cadmium	ug/L	ND	500	500	384	391	77	78	75-125	2	25			
Chromium	ug/L	14.6	500	500	444	454	86	88	75-125	2	25			
Cobalt	ug/L	24.8	500	500	422	430	79	81	75-125	2	25			
Copper	ug/L	ND	500	500	559	575	112	115	75-125	3	25			
Lead	ug/L	ND	500	500	373	382	75	76	75-125	2	25			
Nickel	ug/L	157	500	500	540	554	77	79	75-125	3	25			
Selenium	ug/L	ND	500	500	637	651	127	130	75-125	2	25	M1		
Silver	ug/L	ND	250	250	285	293	114	117	75-125	3	25			
Thallium	ug/L	ND	500	500	332	334	66	67	75-125	1	25	M1		
Vanadium	ug/L	15.9	500	500	470	482	91	93	75-125	3	25			
Zinc	ug/L	ND	500	500	485	499	97	100	75-125	3	25			

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QUALITY CONTROL DATA

Project: WILKES - DAN JOHNSON 356.1301.

Pace Project No.: 92199362

QC Batch:	MSV/26659	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV Low Level Landfill
Associated Lab Samples:	92199362001, 92199362002, 92199362003, 92199362004, 92199362005, 92199362006, 92199362007		

METHOD BLANK: 1189957 Matrix: Water

Associated Lab Samples: 92199362001, 92199362002, 92199362003, 92199362004, 92199362005, 92199362006, 92199362007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	05/02/14 19:55	
1,1,1-Trichloroethane	ug/L	ND	1.0	05/02/14 19:55	
1,1,2,2-Tetrachloroethane	ug/L	ND	3.0	05/02/14 19:55	
1,1,2-Trichloroethane	ug/L	ND	1.0	05/02/14 19:55	
1,1-Dichloroethane	ug/L	ND	5.0	05/02/14 19:55	
1,1-Dichloroethene	ug/L	ND	5.0	05/02/14 19:55	
1,2,3-Trichloropropane	ug/L	ND	1.0	05/02/14 19:55	
1,2-Dibromo-3-chloropropane	ug/L	ND	13.0	05/02/14 19:55	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	05/02/14 19:55	
1,2-Dichlorobenzene	ug/L	ND	5.0	05/02/14 19:55	
1,2-Dichloroethane	ug/L	ND	1.0	05/02/14 19:55	
1,2-Dichloropropane	ug/L	ND	1.0	05/02/14 19:55	
1,4-Dichlorobenzene	ug/L	ND	1.0	05/02/14 19:55	
2-Butanone (MEK)	ug/L	ND	100	05/02/14 19:55	
2-Hexanone	ug/L	ND	50.0	05/02/14 19:55	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	05/02/14 19:55	
Acetone	ug/L	ND	100	05/02/14 19:55	
Acrylonitrile	ug/L	ND	200	05/02/14 19:55	
Benzene	ug/L	ND	1.0	05/02/14 19:55	
Bromochloromethane	ug/L	ND	3.0	05/02/14 19:55	
Bromodichloromethane	ug/L	ND	1.0	05/02/14 19:55	
Bromoform	ug/L	ND	3.0	05/02/14 19:55	
Bromomethane	ug/L	ND	10.0	05/02/14 19:55	
Carbon disulfide	ug/L	ND	100	05/02/14 19:55	
Carbon tetrachloride	ug/L	ND	1.0	05/02/14 19:55	
Chlorobenzene	ug/L	ND	3.0	05/02/14 19:55	
Chloroethane	ug/L	ND	10.0	05/02/14 19:55	
Chloroform	ug/L	ND	5.0	05/02/14 19:55	
Chloromethane	ug/L	ND	1.0	05/02/14 19:55	
cis-1,2-Dichloroethene	ug/L	ND	5.0	05/02/14 19:55	
cis-1,3-Dichloropropene	ug/L	ND	1.0	05/02/14 19:55	
Dibromochloromethane	ug/L	ND	3.0	05/02/14 19:55	
Dibromomethane	ug/L	ND	10.0	05/02/14 19:55	
Ethylbenzene	ug/L	ND	1.0	05/02/14 19:55	
Iodomethane	ug/L	ND	10.0	05/02/14 19:55	
Methylene Chloride	ug/L	ND	1.0	05/02/14 19:55	
Styrene	ug/L	ND	1.0	05/02/14 19:55	
Tetrachloroethene	ug/L	ND	1.0	05/02/14 19:55	
Toluene	ug/L	ND	1.0	05/02/14 19:55	
trans-1,2-Dichloroethene	ug/L	ND	5.0	05/02/14 19:55	
trans-1,3-Dichloropropene	ug/L	ND	1.0	05/02/14 19:55	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	05/02/14 19:55	
Trichloroethene	ug/L	ND	1.0	05/02/14 19:55	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: WILKES - DAN JOHNSON 356.1301.

Pace Project No.: 92199362

METHOD BLANK: 1189957

Matrix: Water

Associated Lab Samples: 92199362001, 92199362002, 92199362003, 92199362004, 92199362005, 92199362006, 92199362007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Trichlorofluoromethane	ug/L	ND	1.0	05/02/14 19:55	
Vinyl acetate	ug/L	ND	50.0	05/02/14 19:55	
Vinyl chloride	ug/L	ND	1.0	05/02/14 19:55	
Xylene (Total)	ug/L	ND	5.0	05/02/14 19:55	
1,2-Dichloroethane-d4 (S)	%	95	70-130	05/02/14 19:55	
4-Bromofluorobenzene (S)	%	98	70-130	05/02/14 19:55	
Toluene-d8 (S)	%	102	70-130	05/02/14 19:55	

LABORATORY CONTROL SAMPLE: 1189958

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	50.1	100	70-130	
1,1,1-Trichloroethane	ug/L	50	45.7	91	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	48.8	98	70-130	
1,1,2-Trichloroethane	ug/L	50	43.6	87	70-130	
1,1-Dichloroethane	ug/L	50	45.7	91	70-130	
1,1-Dichloroethene	ug/L	50	49.8	100	70-132	
1,2,3-Trichloropropane	ug/L	50	48.3	97	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	50.2	100	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	49.1	98	70-130	
1,2-Dichlorobenzene	ug/L	50	49.5	99	70-130	
1,2-Dichloroethane	ug/L	50	51.8	104	70-130	
1,2-Dichloropropane	ug/L	50	51.5	103	70-130	
1,4-Dichlorobenzene	ug/L	50	49.0	98	70-130	
2-Butanone (MEK)	ug/L	100	90.7J	91	70-145	
2-Hexanone	ug/L	100	98.8	99	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	89.4J	89	70-140	
Acetone	ug/L	100	89.8J	90	50-175	
Acrylonitrile	ug/L	250	227	91	70-143	
Benzene	ug/L	50	43.5	87	70-130	
Bromochloromethane	ug/L	50	48.1	96	70-130	
Bromodichloromethane	ug/L	50	47.3	95	70-130	
Bromoform	ug/L	50	50.9	102	70-130	
Bromomethane	ug/L	50	37.2	74	54-130	
Carbon disulfide	ug/L	50	52.0J	104	70-131	
Carbon tetrachloride	ug/L	50	40.6	81	70-132	
Chlorobenzene	ug/L	50	47.7	95	70-130	
Chloroethane	ug/L	50	43.0	86	64-134	
Chloroform	ug/L	50	46.9	94	70-130	
Chloromethane	ug/L	50	35.0	70	64-130	
cis-1,2-Dichloroethene	ug/L	50	46.5	93	70-131	
cis-1,3-Dichloropropene	ug/L	50	49.7	99	70-130	
Dibromochloromethane	ug/L	50	48.7	97	70-130	
Dibromomethane	ug/L	50	47.2	94	70-131	
Ethylbenzene	ug/L	50	47.1	94	70-130	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: WILKES - DAN JOHNSON 356.1301.

Pace Project No.: 92199362

LABORATORY CONTROL SAMPLE: 1189958

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodomethane	ug/L	100	84.6	85	49-180	
Methylene Chloride	ug/L	50	47.9	96	63-130	
Styrene	ug/L	50	50.8	102	70-130	
Tetrachloroethene	ug/L	50	52.8	106	70-130	
Toluene	ug/L	50	47.3	95	70-130	
trans-1,2-Dichloroethene	ug/L	50	48.2	96	70-130	
trans-1,3-Dichloropropene	ug/L	50	42.8	86	70-132	
trans-1,4-Dichloro-2-butene	ug/L	50	53.4J	107	70-141	
Trichloroethene	ug/L	50	50.1	100	70-130	
Trichlorofluoromethane	ug/L	50	43.9	88	62-133	
Vinyl acetate	ug/L	100	97.4	97	66-157	
Vinyl chloride	ug/L	50	46.1	92	69-130	
Xylene (Total)	ug/L	150	144	96	70-130	
1,2-Dichloroethane-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1189961 1189962

Parameter	Units	MS		MSD		MS		MSD		% Rec		Max	
		92199362002	Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	% Rec	MSD % Rec	RPD	RPD	Qual	
1,1-Dichloroethene	ug/L	ND	50	50	54.7	63.6	109	127	70-166	15	30		
Benzene	ug/L	0.99J	50	50	59.6	59.6	117	117	70-148	0	30		
Chlorobenzene	ug/L	2.8J	50	50	53.7	57.7	102	110	70-146	7	30		
Toluene	ug/L	ND	50	50	52.0	55.8	104	112	70-155	7	30		
Trichloroethene	ug/L	ND	50	50	57.1	59.1	114	118	69-151	3	30		
1,2-Dichloroethane-d4 (S)	%						93	99	70-130				
4-Bromofluorobenzene (S)	%							100	100	70-130			
Toluene-d8 (S)	%							101	101	70-130			

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: WILKES - DAN JOHNSON 356.1301.

Pace Project No.: 92199362

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-A Pace Analytical Services - Asheville

PASI-C Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WILKES - DAN JOHNSON 356.1301.
Pace Project No.: 92199362

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92199362001	9702-MW1	EPA 3010	MPRP/15832	EPA 6010	ICP/14343
92199362002	9702-MW2	EPA 3010	MPRP/15832	EPA 6010	ICP/14343
92199362003	9702-MW3	EPA 3010	MPRP/15832	EPA 6010	ICP/14343
92199362004	9702-UPSTREAM	EPA 3010	MPRP/15832	EPA 6010	ICP/14343
92199362005	9702-DOWNSTREAM	EPA 3010	MPRP/15832	EPA 6010	ICP/14343
92199362006	9702-FIELD BLANK	EPA 3010	MPRP/15832	EPA 6010	ICP/14343
92199362001	9702-MW1	EPA 8260	MSV/26659		
92199362002	9702-MW2	EPA 8260	MSV/26659		
92199362003	9702-MW3	EPA 8260	MSV/26659		
92199362004	9702-UPSTREAM	EPA 8260	MSV/26659		
92199362005	9702-DOWNSTREAM	EPA 8260	MSV/26659		
92199362006	9702-FIELD BLANK	EPA 8260	MSV/26659		
92199362007	9702-TRIP BLANK	EPA 8260	MSV/26659		

REPORT OF LABORATORY ANALYSIS

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Client Name: Joyce EngCourier: Fed Ex UPS USPS Client Commercial Pace Other _____Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Optional
Proj. Due Date:
Proj. Name:

Packing Material: Bubble Wrap Bubble Bags None Other _____Thermometer Used: IR Gun T1102 T1401 Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Temp Correction Factor T1102: No Correction T1301: No Correction

Corrected Cooler Temp.: 1.8 °C Biological Tissue is Frozen: Yes No N/A

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: 204/30/14

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:		
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>Y</u> / <u>30/14</u>
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<u>Y</u> / <u>30/14</u>
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review:

<u>JY</u>	Date: <u>4/30/14</u>
<u>JY</u>	Date: <u>5/1/14</u>

SRF Review:

WO# : 92199362

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)



92199362

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
Required Client Information:

Company: Joyce Engineering VA
 Address: 2211 West Meadowview Rd
 Greensboro, NC 27407
 Email To: aeverhart@joyceengineering.com
 Phone: (336) 333-0092 Fax: Requested Due Date/TAT: 10 Day (Default)

Section B
Required Project Information:

Report To: Alex Everhart
 Copy To:
 Purchase Order No.
 Client Project ID: Wilkes-Dan Johnson 356.1301.12
 Container Order Number:

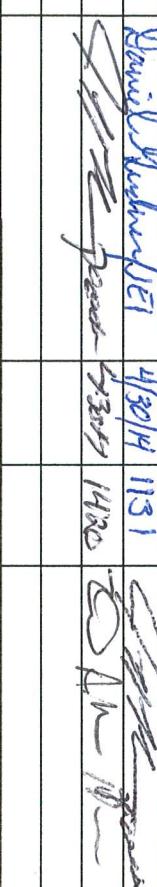
Section C
Invoice Information:

Attention: Leicia Jones
 Company Name: Joyce Engineering
 Address: 1604 Ownby Lane, Richmond, VA 23220
 Pace Quote Reference:
 Pace Project Manager: Godwin, Kevin
 Pace Profile #:

Page : 1 Of 1

ITEM#	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	COLLECTED		Preservatives		Y/N	Requested Analysis Filtered (Y/N)
		MATRIX CODE	(G=GRAB C=COMP)	START	END		
1	9702-MW1	WT G		4/26/14 0955		X X	DD1
2	9702-MW2	WT G		4/26/14 1058		X X	DD2
3	9702-MW3	WT G	"	1030		X X	DD3
4	9702-Upstream	WT G		1055		X X	DD4
5	9702-Downstream	WT G		1020		X X	DD5
6	9702-Field Blank	WT G		1105		X X	DD6
7	9702-Trip Blank	WT G	✓	0700		X X	DD7
8							
9							
10							
11							
12							

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
		Amanda Freeman	4/26/14	1131	John Girdner	4/26/14	1131	
		✓	2305	1430	✓	2304	1420	1.8 ✓ ✓

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Amanda Freeman Dan Girdner
SIGNATURE of SAMPLER: 
DATE Signed: 4/26/14

TEMP in C				
Received on Ice (Y/N)				
Custody Sealed Cooler (Y/N)				
Samples Intact (Y/N)				

DATE: 4/29/2014



GROUND WATER SAMPLING LOG

Project Name: Wilkes Co. Dan Johnson Project No./Task No.: 356.1301.12.04

Well ID: 9702-MW1 Sampler(s): A. Freeman / D. Girdner

Well Location: Left along fence from entrance beside utility pole

Well Diameter: 2 inches

Initial Depth to Water (DTW): 31.90 feet

Depth to Bottom (DTB): 60.12 feet

Water Column Thickness (WCT): 21.12 feet [DTB-DTW]

Calculation for One Well Volume (WV):

For 2" Well: WCT X 0.163 = 4.5 gallons

For 4" Well: WCT X 0.653 = gallons

For THREE Well Volumes: WV X 3 = 13.5 gallons

Actual Amount Purged/Bailed: 13.5 gallons

Purged with: disposable bailer

Sampled with: disposable bailer

Depth to Water before Sampling: - feet

Gallons	Time	Temp(°C)	pH	Cond. (µS)	Turb.(ntu)	Initials
0	0926	16.5	5.48	240	4.23	AF
4.5	0937	16.2	5.68	254	4.90	AF
9.0	0945	16.2	5.90	275	5.87	AF
13.5	0955	16.1	5.85	273	2.54	AF
Before Sampling	0955	16.1	5.85	273	2.54	AF

Comments (weather conditions, odor, color, silt, etc.): The weather was overcast with temperatures in the 60s on 4/28/14.

Signature: A. Freeman Date: 4/29/14

QA/QC Sign Off: M. L. C. L. Date: 6/6/14

DATE: 4/28/2014

GROUND WATER SAMPLING LOG

Project Name: Wilkes Co. Dan Johnson Project No. /Task No.: 356.1301.12.04Well ID: 9702-MW2 Sampler(s): A. Freeman / D. GirdnerWell Location: Edge of wood upstream from MW-3 outside of electric fenceWell Diameter: 2 inchesInitial Depth to Water (DTW): 28.30 feetDepth to Bottom (DTB): 40.08 feetWater Column Thickness (WCT): 11.78 feet [DTB-DTW]**Calculation for One Well Volume (WV):**For 2" Well: WCT X 0.163 = 1.9 gallonsFor 4" Well: WCT X 0.653 = gallons**For THREE Well Volumes:** WV X 3 = 5.7 gallons**Actual Amount Purged/Bailed:** 5.7 gallonsPurged with: disposable bailerSampled with: disposable bailerDepth to Water before Sampling: - feet

Gallons	Time	Temp(°C)	pH	Cond. (µS)	Turb.(ntu)	Initials
0	1045	15.0	5.82	133.0	4.51	AF
1.9	1048	15.0	5.82	359	9.42	AF
3.8	1053	14.9	5.88	433	7.28	DG
5.7	1058	14.9	5.88	429	7.33	DG
Before Sampling	1058	14.9	5.88	429	7.33	DG

Comments (weather conditions, odor, color, silt, etc.): The weather was overcast with temperatures in the 60s on 4/28/14. The well was purged and sampled on 4/28/14.Signature: Audra Freeman Date: 4/28/14QA/QC Sign Off: Mt E&A Date: 6/6/14

DATE: 4/28/2014

GROUND WATER SAMPLING LOG

Project Name: Wilkes Co. Dan Johnson Project No. /Task No.: 356.1301.12.04Well ID: 9702-MW3 Sampler(s): A. Freeman / D. GirdnerWell Location: In lowest corner downstream of MW-2 inside of electric fence.Well Diameter: 2 inchesInitial Depth to Water (DTW): 9.50 feetDepth to Bottom (DTB): 29.43 feetWater Column Thickness (WCT): 19.93 feet [DTB-DTW]**Calculation for One Well Volume (WV):**For 2" Well: WCT X 0.163 = 3.2 gallonsFor 4" Well: WCT X 0.653 = gallonsFor THREE Well Volumes: WV X 3 = 9.8 gallonsActual Amount Purged/Bailed: 9.8 gallonsPurged with: disposable bailerSampled with: disposable bailerDepth to Water before Sampling: - feet

Gallons	Time	Temp(°C)	pH	Cond. (µS)	Turb.(ntu)	Initials
0	1017	11.6	5.90	113.8	2.76	DG
3.2	1020	12.4	5.72	120.6	5.29	AF
6.4	1024	13.0	5.59	149.1	5.80	AF
9.6	1030	13.1	5.59	171.6	5.35	AF
Before Sampling	1030	13.1	5.59	171.6	5.35	AF

Comments (weather conditions, odor, color, silt, etc.): The weather was overcast with temperatures in the 60s on 4/28/14. The well was purged and sampled on 4/29/14.Signature: Date: 4/28/14QA/QC Sign Off: Date: 6/6/14

DATE: 4/28/2014



SURFACE WATER MONITORING LOG

Project Name: Wilkes Co. Dan Johnson Project/Task No.: 356.1301.12.04

Surface Point ID: Downstream Sampler(s): A. Freeman / D. Girdner

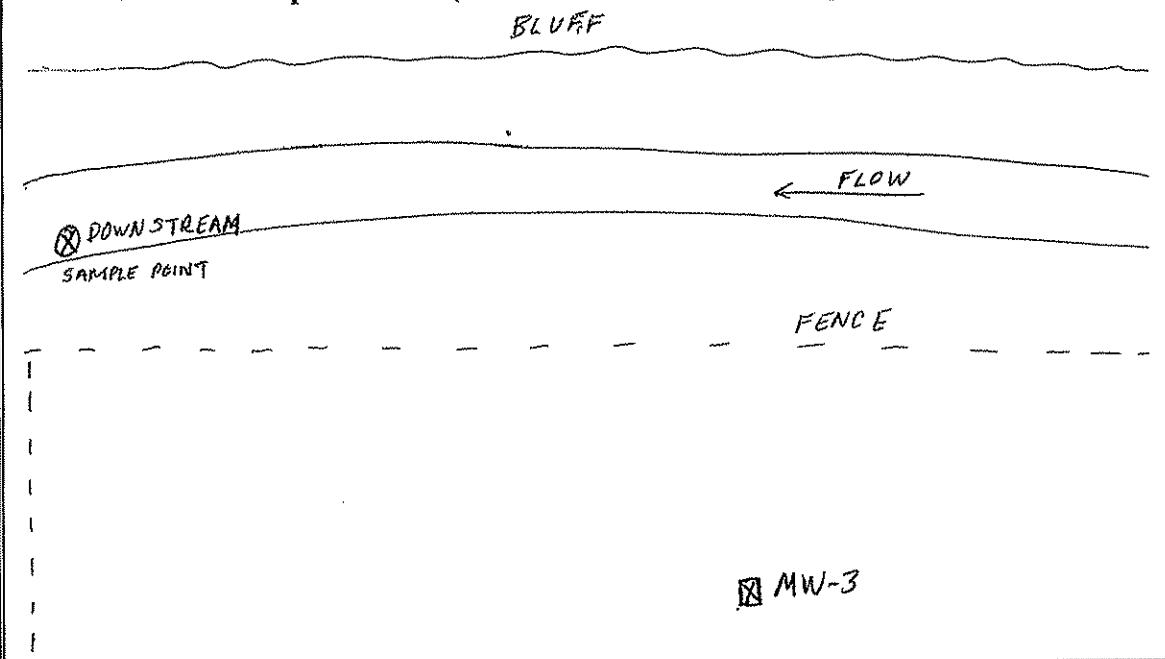
Location: Down hill from MW-2 near property line.

Field Parameters:

Time of Sampling: 1020
pH: 6.12
Temperature: 15.5 (°C)
Conductivity: 47.4 (µS)
Turbidity: 4.40 (ntu)

Comments/Sample Description (weather conditions, odor, color, silt, etc.): The weather was overcast with temperatures in the 60s on 4/28/14.

Sketch of Sample Location (include flow direction, drainage pathways, etc.):



Signature: A. Freeman Date: 4/28/14

QA/QC Sign Off: M. L. Eht Date: 4/28/14

DATE: 4/28/2014



SURFACE WATER MONITORING LOG

Project Name: Wilkes Co. Dan Johnson Project/Task No.: 356.1301.12.04

Surface Point ID: Up Stream Sampler(s): A. Freeman / D. Girdner

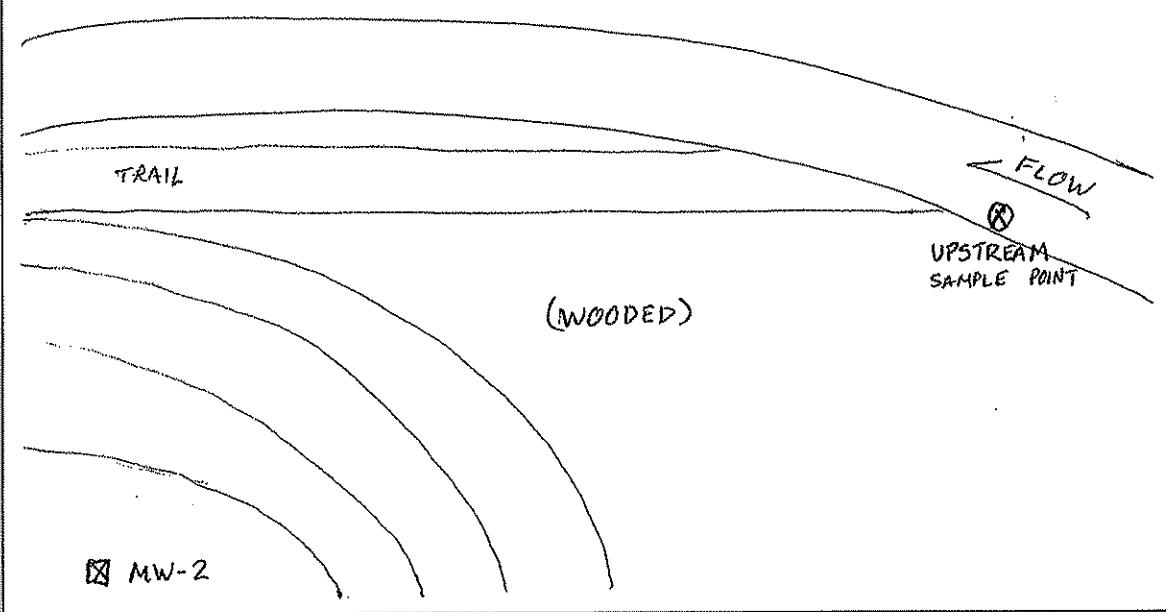
Location: From river outside electric fence down from MW-3.

Field Parameters:

Time of Sampling:	<u>1055</u>
pH:	<u>6.58</u>
Temperature:	<u>15.3</u> (°C)
Conductivity:	<u>66.0</u> (µS)
Turbidity:	<u>4.23</u> (ntu)

Comments/Sample Description (weather conditions, odor, color, silt, etc.): The weather was overcast with temperatures in the 60s on 4/28/14.

Sketch of Sample Location (include flow direction, drainage pathways, etc.):



Signature: Audrey Freeman Date: 4/28/14

QA/QC Sign Off: M. L. H. Date: 6/6/14